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OM protein - protein search, using sw model

Run on: November 21, 2004, 15:36:55 ; Search time 39 Seconds
(without alignments)
736.300 Million cell updates/sec

Title: US-09-581-742B-2
Perfect score: 2334
Sequence: 1 MAELRPSGAPGTAPPAPGP.....EGAPATEEHPYAHGPWLQL 433

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A COMB.pdp:*
2: /cgn2_6/ptodata/1/iaa/5B COMB.pdp:*
3: /cgn2_6/ptodata/1/iaa/6A COMB.pdp:*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pdp:*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pdp:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pdp:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2334	100.0	433	4 US-10-140-002-6	Sequence 6, Appli
2	2337	99.7	484	4 US-09-581-831-2	Sequence 2, Appli
3	743.5	31.9	468	4 US-09-581-831-5	Sequence 5, Appli
4	106.5	4.6	647	4 US-09-252-991A-24935	Sequence 24935, A
5	102	4.4	283	4 US-09-252-991A-29621	Sequence 29621, A
6	101	4.3	1001	3 US-08-584-569A-2	Sequence 2, Appli
7	99	4.2	535	4 US-09-252-991A-21805	Sequence 21805, A
8	98.5	4.2	1436	2 US-08-652-971-2	Sequence 2, Appli
9	98.5	4.2	1436	2 US-08-991-258A-2	Sequence 2, Appli
10	98.5	4.2	1436	2 US-08-769-399-2	Sequence 2, Appli
11	98.5	4.2	1436	3 US-08-991-953A-2	Sequence 2, Appli
12	98	4.2	262	3 US-08-946-914-14	Sequence 14, Appl
13	98	4.2	262	3 US-09-656-450-14	Sequence 14, Appl
14	97.5	4.2	355	3 US-08-483-533-41	Sequence 41, Appl
15	97.5	4.2	355	3 US-09-283-471A-41	Sequence 41, Appl
16	97.5	4.2	355	5 PCT-US91-06532-3	Sequence 3, Appli
17	97	4.2	380	2 US-09-026-587-4	Sequence 4, Appli
18	97	4.2	380	2 US-09-227-420-4	Sequence 4, Appli
19	97	4.2	380	4 US-09-387-811-4	Sequence 4, Appli
20	97	4.2	380	4 US-09-823-240A-10	Sequence 10, Appl
21	97	4.2	635	4 US-09-417-197-125	Sequence 125, App
22	96.5	4.1	362	2 US-09-055-097-7	Sequence 7, Appli
23	96.5	4.1	362	4 US-09-118-464-6	Sequence 6, Appli
24	96.5	4.1	362	4 US-09-373-902-7	Sequence 7, Appli
25	95.5	4.1	351	2 US-08-868-288A-6	Sequence 6, Appli
26	95.5	4.1	351	3 US-09-235-373-6	Sequence 6, Appli
27	95.5	4.1	351	3 US-09-388-993-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-10-140-002-6
; Sequence 6, Application US/10140002
; Patent No. 6725730
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: DeNovoys, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCES: P3330R1C59
; CURRENT APPLICATION NUMBER: US/10/140,002
; CURRENT FILING DATE: 2002-05-06

; Prior Application removed - See Palm or File Wrapper

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 6

; LENGTH: 433

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-140-002-6

Query Match 100.0%; Score 2334; DB 4; Length 433;

Best Local Similarity 100.0%; Pred No 1 9e-213;

Mismatches 0; Indels 0; Gaps 0;

Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAELRPSGAPGTAPPAPGPASLPFPPGLHATYGCRRLYPQNPLOQTATVKY 60

Db 1 MAELRPSGAPGTAPPAPGPASLPFPPGLHATYGCRRLYPQNPLOQTATVKY 60

QY 61 WLGGPDLDDYVMYVNGVSPSANIPHEWHYISFGLSDLYGDNRVHETGTDGSGFGFEL 120

Db 61 WLGGPDLDDYVMYVNGVSPSANIPHEWHYISFGLSDLYGDNRVHETGTDGSGFGFEL 120

QY 121 TFLRKRTGESAPPTWPAELMQGLARYVFOSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180

Db 121 TFLRKRTGESAPPTWPAELMQGLARYVFOSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180

QY 121 TFLRKRTGESAPPTWPAELMQGLARYVFOSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180

Db 121 TFLRKRTGESAPPTWPAELMQGLARYVFOSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180

QY 121 TFLRKRTGESAPPTWPAELMQGLARYVFOSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180

Db 121 TFLRKRTGESAPPTWPAELMQGLARYVFOSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180

QY 181 EDPMQPVQTPFGVVFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 Db 181 EDPMQPVQTPFGVVFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 QY 241 GETIFEIDPHLQERVVDKGIETDGSNLGVSASAKAWDDLSPPEDEDSRSICIGTQPRRL 300
 Db 241 GETIFEIDPHLQERVVDKGIETDGSNLGVSASAKAWDDLSPPEDEDSRSICIGTQPRRL 300
 QY 301 SKDTEQIRETLRRGLEINSPVLPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
 Db 301 SKDTEQIRETLRRGLEINSPVLPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
 QY 361 IRTROLESVHLKFNQESGALIPLCURGLLHGRHFTYKSIITGDMAITFVSTGVGAFATE 420
 Db 361 IRTROLESVHLKFNQESGALIPLCURGLLHGRHFTYKSIITGDMAITFVSTGVGAFATE 420
 QY 421 EHPYAAHGFWLQL 433
 Db 421 EHPYAAHGFWLQL 433
 RESULT 2
 US-09-581-831-2
 ; Sequence 2, Application US/09581831
 ; Patent No. 6448020
 ; GENERAL INFORMATION:
 ; APPLICANT: TOFTGARD, RUNE
 ; APPLICANT: ZAPHIROPOULOS, PETER G.
 ; APPLICANT: KOGERMAN, PRIIT
 ; APPLICANT: GRIMM, THOMAS
 ; TITLE OF INVENTION: MOLECULES ASSOCIATED WITH THE HUMAN SUPPRESSOR OF FUSED
 ; FILE REFERENCE: 50695-60568
 ; CURRENT APPLICATION NUMBER: US/09/581,831
 ; PRIOR FILING DATE: 2000-08-21
 ; PRIOR APPLICATION NUMBER: PCT/SE98/02383
 ; PRIOR FILING DATE: 1998-12-18
 ; PRIOR APPLICATION NUMBER: 9704788-0
 ; PRIOR FILING DATE: 1997-12-19
 ; PRIOR APPLICATION NUMBER: 9802293-2
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 484
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-581-831-2

Query Match 99.7%; Score 2327; DB 4; Length 484;
 Best Local Similarity 99.5%; Pred. No. 1e-212;
 Matches 431; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MAELRPSGAGTAPPAAGTAPPAFASLPPLGLHAIYGECCRLYPDPNPLOVTAIVKY 60
 Db 1 MAELRPSGAGTAPPAAGTAPPAFASLPPLGLHAIYGECCRLYPDPNPLOVTAIVKY 60
 QY 61 WLGGPDLVDVSMYRNVSANIPERHWHYISFGLSDLYGDNVRVHEFTGDPGSGFEL 120
 Db 61 WLGGPDLVDVSMYRNVSANIPERHWHYISFGLSDLYGDNVRVHEFTGDPGSGFEL 120
 QY 121 TFRUKRTGTSAPPTWPAELMQGLARVVFQSENFCGSDHVSPLDNSERIQHMLT 180
 Db 121 TFRUKRTGTSAPPTWPAELMQGLARVVFQSENFCGSDHVSPLDNSERIQHMLT 180
 QY 181 EDPMQPVQTPFGVVFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 Db 181 EDPMQPVQTPFGVVFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 QY 241 GETIFEIDPHLQERVVDKGIETDGSNLGVSASAKAWDDLSPPEDEDSRSICIGTQPRRL 300
 Db 241 GETIFEIDPHLQERVVDKGIETDGSNLGVSASAKAWDDLSPPEDEDSRSICIGTQPRRL 300

QY 301 SKDTEQIRETLRRGLEINSPVLPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
 Db 301 SKDTEQIRETLRRGLEINSPVLPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
 QY 361 IRTROLESVHLKFNQESGALIPLCURGLLHGRHFTYKSIITGDMAITFVSTGVGAFATE 420
 Db 361 IRTROLESVHLKFNQESGALIPLCURGLLHGRHFTYKSIITGDMAITFVSTGVGAFATE 420
 QY 421 EHPYAAHGFWLQL 433
 Db 421 EHPYAAHGFWLQL 433
 RESULT 3
 US-09-581-831-5
 ; Sequence 5, Application US/09581831
 ; Patent No. 6448020
 ; GENERAL INFORMATION:
 ; APPLICANT: TOFTGARD, RUNE
 ; APPLICANT: ZAPHIROPOULOS, PETER G.
 ; APPLICANT: KOGERMAN, PRIIT
 ; APPLICANT: GRIMM, THOMAS
 ; TITLE OF INVENTION: MOLECULES ASSOCIATED WITH THE HUMAN SUPPRESSOR OF FUSED
 ; FILE REFERENCE: 50695-60568
 ; CURRENT APPLICATION NUMBER: US/09/581,831
 ; PRIOR FILING DATE: 2000-08-21
 ; PRIOR APPLICATION NUMBER: PCT/SE98/02383
 ; PRIOR FILING DATE: 1998-12-18
 ; PRIOR APPLICATION NUMBER: 9704788-0
 ; PRIOR FILING DATE: 1997-12-19
 ; PRIOR APPLICATION NUMBER: 9802293-2
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 468
 ; TYPE: PRT
 ; ORGANISM: Drosophila melanogaster
 US-09-581-831-5
 Query Match 31.9%; Score 743.5; DB 4; Length 468;
 Best Local Similarity 37.2%; Pred. No. 4.2e-62;
 Matches 160; Conservative 64; Mismatches 143; Indels 63; Gaps 9;

QY 31 PPLHAIYGECCRLYPDPNPLOVTAIVKYWLGGPDLVDVSMYRNVSANIPERHWHY 90
 Db 15 PPLKAIIDHLGQVYFNQPNLOVTTLLKYWLGGPDLVDVSMYRNVSANIPERHWHY 74
 QY 91 ISFGLSDLYGDNVRVHEFTGDPGSGFELTFRUKRTGE-----SAPPTWPAE 139
 Db 75 ISFGLSDLYGDNVRVHEFTGDPGSGFELTFRUKRTGE-----SAPPTWPAE 134
 QY 140 LMQGLARVVFQSENFCGSDHVSPLDNS-ESRIQHMLTDEPQMPVQTPFGVVFEL 198
 Db 135 LMQGLARVVFQSENFCGSDHVSPLDNS-ESRIQHMLTDEPQMPVQTPFGVVFEL 194
 QY 199 QIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRRGETIFEIDPHLQERVVDK 258
 Db 195 QIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRRGETIFEIDPHLQERVVDK 254
 QY 259 IETGNSNLGVSASAKAWDDLSPPE-----DDEDSRSICIGTQPRRLSGK 303
 Db 255 LEKQGSDLGAGVADNDFSPRELKPTKEVKEVDFOALSEKCANDENNRQL-----T 303
 QY 304 DTEQIRETLRRGLEINSPVLPINPQONGLAHRAPSRKDSLESSTAIIPHELIRT 363
 Db 304 DTQMKRE-----EPFPPQSMSSNSL-HKSCPL---DFQAQAPNCI-----T 341
 QY 364 RQLESVHLKFNQESGALIPLCURGLLHGRHFTYKSIITGDMAITFVSTGVGAFATEHP 423
 Db 342 -SLDGIETLAPGVAKYLLAIDKRIHGRHFTKA--QHLALTVAESVTGSAVTNPEP 398

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QY 424 YAAHGPWLQ 433
DB 399 YGVLYWLVQ 408

RESULT 4
US-09-252-991A-24935
; Sequence 24935, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24935
; LENGTH: 647
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; NAME/KEY: UNSURE
; LOCATION: (148), (170)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-252-991A-24935

Query Match 4.6%; Score 106.5; DB 4; Length 647;
Best Local Similarity 24.1%; Pred. No. 0.27;
Matches 75; Conservative 45; Mismatches 122; Indels 69; Gaps 19;

QY 16 PAPGTAPPAPASLPP---GLHA---TYG--ECRRLYPDQNPLOVTAIVKYLWG-GPD 66
DB 234 PEPGGRUADAIGSIFNSVGYELHANEQIYGAEADVSVFFLWNVPLQDRV---QWTGFNPN 291
QY 67 PDYVSMYR---NVGSPGANIPEHWHYISFGL-SDLYGDNRVHEFTGDPGSGFGFELTF 122
DB 292 HINVEIDNRKFDVGLARNAGE-----AVGVFADVKSIPQSAHLHIGYFSSINVDNLI 346
QY 123 RLKRTGESAPPTWPAELM-----QGLARYVQSENFCSDHVSHPDLSNSES 173
DB 347 RIEDQLGQKPPAWPNQLFGAPEPTRVAEGRELY-----RQHCS-----SCHTPLDRNDLR 397
QY 174 IQHMLLTEDPQMPQVPTFGVTFQIVGVCTEELHSAQQWNGQIGLELLRTVPIAGGPW 233
DB 398 -----TPVKT-----VLTHIQARGEVAP--IGTDPWTACNSIAQLKTYVGRKPY 440
QY 234 LI---TDMR--RGETIFEIDPHLOERVDKGIETDGSNLS-----GVSAKCAWD-----DLNR 280
DB 441 LGSFVGFGQRFYKQAYADV-LQEVVQALAAARGLSVALGAFQTAALGIFDGPPLIS 499
QY 281 PPEDEDSRSI 291
DB 500 PVPDSDPADSV 510

RESULT 5
US-09-252-991A-29621
; Sequence 29621, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1999-02-18

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; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29621
; LENGTH: 383
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29621

Query Match 4.4%; Score 102; DB 4; Length 383;
Best Local Similarity 21.3%; Pred. No. 0.33;
Matches 60; Conservative 33; Mismatches 125; Indels 64; Gaps 9;

QY 6 PSGAGPTAPPAPPTAPPAPASLPPPLGLHAYGBCRRLYPDQNPLOVTAIVKYLWG 65
DB 63 PMATPWCATPATGRSSPTSTSRMP-----CR-----TVSTIPPSTLAG 104
QY 66 DPLDYVMYRVNVSANIPENHWHYISFGLSDLYGDNRVHEFTGDPGSGFGFELTF-- 123
DB 105 TPRTATSAFAMASTSASTVPR-----AGSAPTRTAHRSPTSCNSRSTRASERSROT 158
QY 124 LKRETTGESAP---PTWPAELMQGLARYVQSENFCSDHVSHPDLSNSESRIQHMLLT 180
DB 159 MKQOTVNTTRPFSLPPIWAQALLAGAAFAAYASQAAYA-----DSLEERLRAQLRS 207
QY 181 EDPQMPQVPTFGVTFQIVGVCTEELHSAQQWNGQIGLELLRTVPIAGGPWLITDMR 240
DB 208 TTQQLQALQT-----EQQAATAKAALLESQORDAALAQVQLSALAR 249
QY 241 ----GTFIFEIDPHLOERVDKGIETDGSNLSGVSAKCAWDDL 278
DB 250 AKQAQSLSAQQQGLHADRARQVSAQNEQLG--KYKQAYDEL 289

RESULT 6
US-08-884-569A-2
; Sequence 2, Application US/08884569A
; Patent No. 6393326
; GENERAL INFORMATION:
; APPLICANT: CHIANG, MING-KO
; APPLICANT: FIANAGAN, JOHN G.
; TITLE OF INVENTION: RECEPTOR TYROSINE PHOSPHATASE, AND USES RELATED THERETO
; FILE REFERENCE: HMV-020.01
; CURRENT APPLICATION NUMBER: US/08/884,569A
; CURRENT FILING DATE: 1997-06-27
; PRIOR APPLICATION NUMBER: 60/021,040
; PRIOR FILING DATE: 1996-07-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1001
; TYPE: PRT
; ORGANISM: Mus sp.
US-08-884-569A-2

Query Match 4.3%; Score 101; DB 3; Length 1001;
Best Local Similarity 20.9%; Pred. No. 1.7;
Matches 81; Conservative 53; Mismatches 138; Indels 116; Gaps 19;

QY 10 PGTAPPAP-----GPTAPPAPASLFPPLG-----HAIYGEERL-----YDQP 49
DB 16 PLPRALPAPASARGQLPGLGCLFEDGLGSLTCVNDGVGRCQKVPVMDTYRYEVPP 75
QY 50 NP---LQVTAIVKYLWGPPDPLDYVMYRVNVSANIPENHWHYISFGLSDLYGDNRV 104
DB 76 GALLHLKVTQLKLSRTQFTWDDYQ---RVIAQELANLPKAYLWH-----GE--- 120
QY 105 HEFTGDPGS-----GFGFELTFLKNETGESAPPTWPAELMQGLARYVQSENFCSGD 159
DB 121 ----TSGPARSLQONADNEKWFSLERVA-----LAKTLRRLPYLE----- 158
QY 160 HVSHSPDLSNSESRIQHMLLTEDPQMPVQ-----TPFGVVTFLQIVGVCTEELHSAQQWN 215

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Db 159 -LLSQTPNASHRIDH-----STRAKEDSSPENILTYVAHNTSALTYPATRAKYP 210
 QY 216 GQILELLRTVPIAGGPMILITDMRGETIFRIDPHLQERVDKGIETD-----GSGN-- 265
 Db 211 DNLRLPFRQLQDELSPKVDGIDKQKLIAGAYTAQRLFG--ENDPEPRYLHVGSSRA 268
 QY 266 ---LSGVSACAWDDLSPRPDEDSRSICIGTQPRRLSGKDTQIRTLRGLRLEINSKP 322
 Db 269 PRPFSATLSQRWPP---PPGAKDSPM-----DDTLQSLKLDQQNSE- 312
 QY 323 VLPPINPQRONGLAHRAPSRKDSLESD 350
 Db 313 -----VDRGLPLKEEKADSVAGAIQSD 334

RESULT 7

US-09-252-991A-21805
 ; Sequence 21805, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; PRIOR FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 21805
 ; LENGTH: 535
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-21805

Query Match 4.2%; Score 99; DB 4; Length 535;
 Best Local Similarity 20.1%; Pred. No. 1;
 Matches 59; Conservative 29; Mismatches 90; Indels 116; Gaps 12;
 QY 26 FASLFPPLCHAIYGECHRLYPDQNPLOVTAIVKYWLGDPDLDYVSMYRNV-----GS 79
 Db 72 YAAMLPAIAICLWSSR-----YLVSGPTAAISVLLFSVAPLAPLS 114
 QY 80 PS-----ANIPDHMYISF----- 93
 Db 115 PQYQAVLLTFLAGAFQWLLGLVRLVGLSVNFSVWMLGFTLGAALLIVLQGLPYLLGL 174
 QY 94 -----GLSDLYGDNVRHFTGTGDS-----GFGFELTRLRKRTGESAPTWPAEL--MQ 142
 Db 175 AASGEAAPGNGWMLLARFAEFDFGSLVGVGFGFALSLLVR-----LRPRWALLIGLL 229
 QY 143 GLARYVFOSENTFCGSHV-----SWHSPLDNSRSRQHMLLTEDPQMQVPQTP--- 191
 Db 230 GGATLWALPCTFASVAHVQALSSALPGWNPPLVDFSIL-----DLLPAVACGM 280
 QY 192 FGVVTFQIVGVCT-----EELHSAQONNGGILELLRTVPIAGGPMILITDMRGG 241
 Db 281 LGLVTSLSIARALAAARQDAFDAQEVRAGLGNLL-----GPMLSASLSAG 327

RESULT 8

US-08-652-971-2
 ; Sequence 2, Application US/08652971
 ; Patent No. 5614507
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheng, Jill
 ; APPLICANT: Lasky, Laurence A.
 ; TITLE OF INVENTION: A NOVEL KAPPA/MU-LIKE PROTEIN TYROSINE
 ; TITLE OF INVENTION: PHOSPHATASE, PTP LAMSDA
 ; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd.
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: United States
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/652,971
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dreger, Ginger R.
 ; REGISTRATION NUMBER: 33,055
 ; REFERENCE/DOCKET NUMBER: P1033
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 225-3216
 ; TELEFAX: (415) 952-9881
 ; TELEFAX: 910 371-7168
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1436 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-652-971-2
 Query Match 4.2%; Score 98.5; DB 2; Length 1436;
 Best Local Similarity 19.4%; Pred. No. 5;
 Matches 109; Conservative 64; Mismatches 167; Indels 221; Gaps 29;
 QY 46 PDQNPLOVTAIVKYWLGDPDLDYVSMYRNVGS--PSANIP-----EHHYIS 92
 Db 510 PQEPNGL-----ITQVEIS-----YQSISSDPAVNVGPRRTISKLRNETHYVFS 555
 QY 93 -----RG---LSDLYGDNVRHFTGTGDSGFG----- 117
 Db 556 NLHPGTTVLSVRATSKGFGQAALTEITNISAPDFDYADMPSPGSENIITVLLRPA 615
 QY 118 -----FELTFELKRETEG-----SAPPTWPAELMQGLARYVFS----- 152
 Db 616 QGEGAPISVQVWVEERPRELRREPGCAQDCFSVPLTFETALARGLVHY-FGAEALASSL 674
 QY 153 ---NTFCSDHVS-----WHSPLD-----NSESRIQHMLLTEDPQMQVPQT 190
 Db 675 LEAMPFTVGDQTVRGFWNPPEPRKAYLIYFOASHLKGETRLNCIRIARAKACKESKR 734
 QY 191 PGVVTFLQ-----IVGVCTEELHSAQONNGGILELLRTVPIAGGPMILITDMRGETI-- 244
 Db 735 PLEVVSQRSEEWGLIGICA-----GGLAVLILLGA-----IIVIRKGPVNM 778
 QY 245 -----FEIDPHLQERVDKGIETDGNLS-----GVSACAWDDLSPRPDEDS----- 289
 Db 779 TKATVNVQRQETHMMSAVDRSF-TDQSTLQEDERLGLS---FMDAPGYSRPGDORSQGV 834
 QY 289 -RSICIGTQPRRLSGK-----DTEQIRETLRGLLEINSKPVLPPIPNQR-QNGLAHR-- 339
 Db 835 EASSLLGSPRPGCRKSGSPYHTQLHPAVR-----VADLLQHINQMKTAEVGFQKEY 888
 QY 340 -----APSRKDSLESDSSTAIIPH-----ELIRTRQLESVHLKFN- 374
 Db 889 ESFFEGWDATKKOKLKGRCQEPVSAVDRHHVHLKPLMLADPDADYISANVIDGVHRSNH 948
 QY 375 -----QESGALIPCLLR-----GRLHGRHFTYKS-ITGDVAITFVS 410
 Db 949 IATQGPKEIMYDFWRVMVWQEQCASIVMITKLVEVGRVKCSRYWPFEDSDMYGDIKITLVK 1008
 QY 411 TG-----VEGAFATEEHPYAA 426

Qy	245	-----FEIDPHLQERVDKIGETDGNLS-----GVSACAKWDLLSRPDEDEDS-----288
Db	779	TKATVNYRQEKTHMMSAVDRSF-TDQSTLQEDERLGLS-----FMDAPGYSPRQDRGGVT 834
Qy	289	RSICIGTQPRRLSGK-----DTEQIRETLRRGLEINSKFLVLPINPQR-ONGLAHDR-- 339
Db	835	BASSILGGSPPRPGCRKGSVPHTGQLHPAVR-----VADLLQHINQMKTAEYGVFKOEY 888
Qy	340	-----APSRKOSLESDDSTALIPH-----ELIPRQIESVHLKFN- 374
Db	889	ESFFEGWDATKKKLGGRQEPVSAYDRHHVKLHPLADPDADYISANYIDGVHRSNHF 948
Qy	375	-----QESGALIPLCLR-----GRLLHGRHPTKYS-ITGDMAITFVS 410
Db	949	IATQPKEMYDFRMTWQEQCASIVMIYKLVGVGVKSCRYWPEDSDYVDIKITLVK 1008
Qy	411	TC-----VEGAPATEEHPYAA 426
Db	1009	TETLAEVVVRTFALERRGYSA 1029
RESULT 10		
US-08-769-399-2		
; Sequence 2, Application US/08769399		
; Patent No. 5976852		
; GENERAL INFORMATION:		
; APPLICANT: Cheng, Jill		
; APPLICANT: Lasky, Laurence A.		
; TITLE OF INVENTION: A NOVEL KAPPA/MU-LIKE PROTEIN TYROSINE		
; TITLE OF INVENTION: PHOSPHATASE, PTP LAMBDA		
; NUMBER OF SEQUENCES: 10		
; CORRESPONDENCE ADDRESS:		
; ADDRESSEE: Genentech, Inc.		
; STREET: 460 Point San Bruno Blvd.		
; CITY: South San Francisco		
; STATE: California		
; COUNTRY: United States		
; ZIP: 94080		
; COMPUTER READABLE FORM:		
; MEDIUM TYPE: Floppy disk		
; COMPUTER: IBM PC compatible		
; OPERATING SYSTEM: PC-DOS/MS-DOS		
; SOFTWARE: Patent In Release #1.0, Version #1.30		
; CURRENT APPLICATION DATA:		
; APPLICATION NUMBER: US/08/769.399		
; FILING DATE:		
; CLASSIFICATION: 435		
; ATTORNEY/AGENT INFORMATION:		
; NAME: Dreger, Ginger R.		
; REGISTRATION NUMBER: 33,055		
; REFERENCE/DOCKET NUMBER: P1033		
; TELECOMMUNICATION INFORMATION:		
; TELEPHONE: (415) 225-3216		
; TELEFAX: (415) 952-9881		
; TELEX: 910 371-7168		
; INFORMATION FOR SEQ ID NO: 2:		
; SEQUENCE CHARACTERISTICS:		
; LENGTH: 1436 amino acids		
; TYPE: amino acid		
; TOPOLOGY: linear		
; MOLECULE TYPE: protein		
US-08-769-399-2		
Query Match 4.2%; Score 98.5; DB 2; Length 1436;		
Best Local Similarity 19.4%; Pred. No. 5;		
Matches 109; Conservative 64; Mismatches 167; Indels 221; Gaps 29;		
Qy	46	PDQNPLOVTAIVKYLWGGPDLDYVSMYRNVGS--PSANIP-----EHWIYIS 92
Db	510	POEPNGL-----ITQYEIS-----YQSISSDPVAVNVPGRRTISKLNETHYVFS 555
Qy	93	-----FG-----LSDLYGDNVRHFTGTDPGSGFG-----117
Db	556	NLHPGTYLPSVRARTSKGQALTEITNISAPDFYADWPSPGSENIITVLLRPA 615
Qy	118	-----FELTFLKRETE-----SAPPTWPAELMQGLARIVFQSE-----152
Db	616	QGRGAP-SVYQVVVEERPRRLRREPGACDFSVPLTFTETALARGLVHY-FGAELAASL 674
Qy	153	---NTECSGHVS---WHSPLD-----NSESRIQHMLITEDPQMPQVCT 190
Db	675	LEAMPFTVGNTVRGFWNPPLPRKAYLIYFOAASHLKGELKNCIRIARVAAKESKR 734
Qy	191	PFGVVVTELQ---IVGVCTBELHSAQWQCGGILELLRTVPIAGGFWLITDMRGETI-- 244
Db	735	PLEVSRQSEEGLLIGICA-----GGAVLILLIGA-----IIVIRKKGKPVNM 778

Db 556 NLHPGTTLYFSVRARTSKGFGQAALTEITTNISAPSDYADMPSPGLGESENITVLLRPA 615
 QY 118 -----FELTFLKRETGE-----SAPPTWPAELMOGLARYVFOSE----- 152
 Db 616 QRGAPISVYQVVVEERPRRLRREPQAQDCFSVPLTFETALARGLVHY-FGAELAASSL 674
 QY 153 ---NTFCSDHVS-----WHSPLD-----NSESRIQHMLLTEDPQMPQVQT 190
 Db 675 LEAMPFTVGDQTYRGFWNPPLPRKAYLIYFQAASHLKGTRLCNIRIARAKAACKSKR 734
 QY 191 PFGVVTFLQ----IVGVCTEELHSAQWNGQIILELLRTVPIAGPMLITDMRGETI-- 244
 Db 735 PLEVSQRSEEMGLILGICA-----GGLAVILLGGA-----IIVIRKGPVNM 778
 QY 245 -----FEIDPHLQERVVDKGIETDGSNLS-----GVSACAMDDLGRPPDEDEDS 288
 Db 779 TKATVNYRQEKTHMMSAVDRSF-TDQSTLQEDERLGLS---FMDAPGYSRGRDORSQGV 834
 QY 289 -RSICIGTQPRRLSGK-----DTEQIRETLRGLGINSKPVLPINPQR-ONGLAHDR-- 339
 Db 835 BASLLGSPRPRCGRKGSYPHTQLHPAVR-----VADLLQHINQMKTAEYGFQOEY 888
 QY 340 -----APSRKDSLESDSSTAIPH-----ELIRTOLESVHLKFN- 374
 Db 889 ESFPEGWDATKKDKLKGCRQEPVSAYDRHHVKLHPMLADPDADYISANYIDGVHRSNHP 948
 QY 375 -----QESGALILPLCLR-----GRLLHGRHFTYKS-ITGDMAITFVS 410
 Db 949 IATQPKPEMIYDFWRVMVWQCCASIVMITKLVEGVKCSRYWPEDSDMYGDIKITLVK 1008
 QY 411 TG-----VEGAFATEEHPYAA 426
 Db 1009 TETLAEVVVRTFALERRGYSA 1029

RESULT 11

US-08-991-953A-2
 ; Sequence 2, Application US/08991953A
 ; Patent No. 6083748
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheng, Jill
 ; APPLICANT: Lasky, Laurence A.
 ; TITLE OF INVENTION: A NOVEL KAPPA/MU-LIKE PROTEIN TYROSINE
 ; TITLE OF INVENTION: PHOSPHATASE, PTP LAMBDA
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: FUEHR, HOBBACH, TEST, ALBRITTON & HERBERT, LLP
 ; STREET: 4 Embarcadero Center, Suite 3400
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: United States
 ; ZIP: 94111
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/991,953A
 ; FILING DATE: 16-DEC-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/652,971
 ; FILING DATE: 24-MAY-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dreger, Walter H.
 ; REGISTRATION NUMBER: 24,190
 ; REFERENCE/DOCKET NUMBER: A-63478-3/WH/D/MTK
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 781-1989
 ; TELEFAX: (415) 398-3249
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1436 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-991-953A-2

Query Match 4.2%; Score 98.5; DB 3; Length 1436;
 Best Local Similarity 19.4%; Pred No. 5;
 Matches 109; Conservative 64; Mismatches 167; Indels 221; Gaps 29;
 QY 46 PQPNPLQVTAIKYWLGGFDPLDYVSMYRVGS--PSANIP-----EHWYIS 92
 Db 510 PQPNGL-----ITQVEIS-----YQSTESSDPAVNVPGPRRTISKLRNETHYVFS 555
 QY 93 -----FG-----LSDLYGDNVRHFTGDCPSGFG----- 117
 Db 556 NLHPGTTLYFSVRARTSKGFGQAALTEITTNISAPSDYADMPSPGLGESENITVLLRPA 615
 QY 118 -----FELTFLKRETGE-----SAPPTWPAELMOGLARYVFOSE----- 152
 Db 616 QRGAPISVYQVVVEERPRRLRREPQAQDCFSVPLTFETALARGLVHY-FGAELAASSL 674
 QY 153 ---NTFCSDHVS-----WHSPLD-----NSESRIQHMLLTEDPQMPQVQT 190
 Db 675 LEAMPFTVGDQTYRGFWNPPLPRKAYLIYFQAASHLKGTRLCNIRIARAKAACKSKR 734
 QY 191 PFGVVTFLQ----IVGVCTEELHSAQWNGQIILELLRTVPIAGPMLITDMRGETI-- 244
 Db 735 PLEVSQRSEEMGLILGICA-----GGLAVILLGGA-----IIVIRKGPVNM 778
 QY 245 -----FEIDPHLQERVVDKGIETDGSNLS-----GVSACAMDDLGRPPDEDEDS 288
 Db 779 TKATVNYRQEKTHMMSAVDRSF-TDQSTLQEDERLGLS---FMDAPGYSRGRDORSQGV 834
 QY 289 -RSICIGTQPRRLSGK-----DTEQIRETLRGLGINSKPVLPINPQR-ONGLAHDR-- 339
 Db 835 BASLLGSPRPRCGRKGSYPHTQLHPAVR-----VADLLQHINQMKTAEYGFQOEY 888
 QY 340 -----APSRKDSLESDSSTAIPH-----ELIRTOLESVHLKFN- 374
 Db 889 ESFPEGWDATKKDKLKGCRQEPVSAYDRHHVKLHPMLADPDADYISANYIDGVHRSNHP 948
 QY 375 -----QESGALILPLCLR-----GRLLHGRHFTYKS-ITGDMAITFVS 410
 Db 949 IATQPKPEMIYDFWRVMVWQCCASIVMITKLVEGVKCSRYWPEDSDMYGDIKITLVK 1008
 QY 411 TG-----VEGAFATEEHPYAA 426
 Db 1009 TETLAEVVVRTFALERRGYSA 1029

RESULT 12

US-08-946-914-14
 ; Sequence 14, Application US/08946914
 ; Patent No. 6027916
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; APPLICANT: Gentz, Reiner L.
 ; APPLICANT: Ruben, Steven M.
 ; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
 ; NUMBER OF SEQUENCES: 60
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
 ; STREET: 1100 New York Ave., Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20005-3934
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

Qy	3	ELRPSGA-----PGB-----TAPDAPCPPTAPPAPASLPPP-----GLHA	36
Db	93	EARPTAAAPRPpGPHRPAWARGAGLTPTP-PRAPSAFRFASPACASPRSTWACACDA	151
Qy	37	IYGEERLYPDQNP-----LQVTAIVKYWLGGPPLDYVSMYRVNGSPSA	82
Db	152	RAGGRSRPpRPpRPpRPpRPpRPRPCASRPSGCATWWSGPRPPAWRAAARGPAS---	208
Qy	83	NIPEHWYIISFGLSLDYGDNRVHEFTCDGSGFGFELTPRLKRETOESA-----PPTW	136
Db	209	-----GPTGLSGAGWRRPRRSSGRAMGPRPVPGPW	239
Qy	137	PAELWQGLARYVFOSENTFCSGDHVSHSPLDENSERIQHMLLTEDPQMVPQVPPGVVT	196
Db	240	PAE-----PARRTRSNV-----TPEAAWV	258
Qy	197	FLQIVGCTBELHSAQQWNGQGIJELLRTVPIAGGP-----WLITDWRRG-----ETI	244

	Query Match	4.2%	Score 98	DB 4	Length 262
	Best Local Similarity	36.3%	Pred. NO. 0.45		
	Matches	33	Conservative	5	Mismatches 37; Indels 16; Gaps 5
Qy	6	PSGAPGTPAPA-PCPTAPPAPASLFPGLHAIYCECRLLYEDQNPLOVTA-----	56		
Db	68	PSAYPGTPAPGAYPGTAPGAPPG--QFGGSGAYPSAGVPSAPGAYPATGPGFAPGTPG	125		
	57	-IVKYWL---GGPDPLDYVSMYRNVGSPSAN	83		


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Db 647 GTGTCTGCGACAGCCCTTTGATACAGTGTAGTACAGATTCACACATGCTGCTGACA 706
Qy 541 GAGGACCCACAGATGACAGCCCGTGGAGACACCCCTTTGGGGTAGTTACCTTCTCCAGATC 600
Db 707 GAGGACCCACAGATGACAGCCCGTGGAGACACCCCTTTGGGGTAGTTACCTTCTCCAGATC 766
Qy 601 GTTGTGTCTGACATGAGAGCTACACTCAGCCCGACAGTGGAAACGGGACGGGATCTCTG 660
Db 767 GTTGTGTCTGACATGAGAGCTACACTCAGCCCGACAGTGGAAACGGGACGGGATCTCTG 826
Qy 661 GAGCTGCTCGGACAGTGCCTATTCTGGCGGCCCTGCTGCTGATAAATGACATGCGGAGG 720
Db 827 GAGCTGCTCGGACAGTGCCTATTCTGGCGGCCCTGCTGCTGATAAATGACATGCGGAGG 886
Qy 721 GAGAGACCATATTTGAGATGCATCCACACCTGCGAAGAGAGAGTTCACAAAGGCATCAG 780
Db 887 GAGAGACCATATTTGAGATGCATCCACACCTGCGAAGAGAGAGTTCACAAAGGCATCAG 946
Qy 781 ACAGATGGTCCAACTGAGTGGTGTGCTGAGTGCAGTGTGCTGGATGACCTGAGCGGG 840
Db 947 ACAGATGGTCCAACTGAGTGGTGTGCTGAGTGCAGTGTGCTGGATGACCTGAGCGGG 1006
Qy 841 CCCCCGAGGATGAGAGACAGCCGGAGCATCTGATCGGCACACAGCCCGGCGACTC 900
Db 1007 CCCCCGAGGATGAGAGACAGCCGGAGCATCTGATCGGCACACAGCCCGGCGACTC 1066
Qy 901 TCTGCAAGACACAGACAGATCCGGAGACCTCGAGGAGGACTCGAGATCAACAGC 960
Db 1067 TCTGCAAGACACAGACAGATCCGGAGACCTCGAGGAGGACTCGAGATCAACAGC 1126
Qy 961 AAACCTGTCTTCCACCAATCAACCTCAGCGGCGAATGGCTCGCCACAGACCGGGCC 1020
Db 1127 AAACCTGTCTTCCACCAATCAACCTCAGCGGCGAATGGCTTCCCCACAGACCGGGCC 1186
Qy 1021 CCGAGCGCAAGACAGACAGCTGGAAGTGCAGTCCAGGCGCATATTCCTCCATGAGCTG 1080
Db 1187 CCGAGCGCAAGACAGACAGCTGGAAGTGCAGTCCAGGCGCATATTCCTCCATGAGCTG 1246
Qy 1081 ATTGCGACCGGCGAGCTTGAGAGCGTACATCTGAAATCAACAGAGTTCGGAGCGCTC 1140
Db 1247 ATTGCGACCGGCGAGCTTGAGAGCGTACATCTGAAATCAACAGAGTTCGGAGCGCTC 1306
Qy 1141 ATTCTCTCTGCTTAAGGGGAGGCTCTGCGATGAGCGGCACTTTACATATAAAGTATC 1200
Db 1307 ATTCTCTCTGCTTAAGGGGAGGCTCTGCGATGAGCGGCACTTTACATATAAAGTATC 1366
Qy 1201 ACAGGTGACATGCGCATACGTTTGTCTCCAGGAGTGGAGGCGCTTTGCCACTGAG 1260
Db 1367 ACAGGTGACATGCGCATACGTTTGTCTCCAGGAGTGGAGGCGCTTTGCCACTGAG 1426
Qy 1261 GAGCATCTTACCGGCTCATGACCCCTGGTTACAACT 1298
Db 1427 GAGCATCTTACCGGCTCATGACCCCTGGTTACAAAT 1464
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RESULT 3

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US-09-236-097-7/c
; Sequence 7, Application US/09236097
; Patent No. 6335165
; GENERAL INFORMATION:
; APPLICANT: NIR NAVOT ET AL
; TITLE OF INVENTION: METHODS AND KITS FOR CHARACTERIZING GC
; TITLE OF INVENTION: -RICH NUCLEIC ACID SEQUENCES
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark M. Friedman c/o Anthony Castorina
; STREET: 20001 Jefferson Davis Highway, Suite 207
; CITY: Arlington
; STATE: Virginia
; COUNTRY: United States of America
; ZIP: 22202
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
; COMPUTER: Twinhead* Slimnote-890TX
; OPERATING SYSTEM: MS DOS version 6.2,
; Best Operating System: Windows version 3.11
; SOFTWARE: Word for Windows version 2.0 converted to
; an ASCII file
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/236,097
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Friedman, Mark M.
; REGISTRATION NUMBER: 33,883
; REFERENCE/DOCKET NUMBER: 128/33
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 972-3-5625553
; TELEFAX: 972-3-5625554
; TELEX:
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 700
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-09-236-097-7
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Query Match 3.3%; Score 42.8; DB 3; Length 700;
Best Local Similarity 55.3%; Pred. No. 0.023;
Matches 83; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
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Qy 5 CGAGAGTCGGGCTAGCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCTG 64
Db 590 CGAGAGTGGTGTGGGGCGCTCGAGGCGCCCGGCGCCCGGCGCCCGGCGCGCGCGCG 531
Qy 65 CCCCCCGGCGCTTTCGCTTCCTTTTCCTCCCGGAGTGCACGCCATCTACGGAGAGTGC 124
Db 530 CTTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 471
Qy 125 GCGGCTTTACCTTGACCGCGGAAACCGC 154
Db 470 GCTTCGCTACCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 441
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RESULT 4

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US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
```



```
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 5854
; LENGTH: 1125
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5854

Query Match          3.1%; Score 40.6; DB 4; Length 1125;
Best Local Similarity 52.0%; Pred. No. 0.12;
Matches 91; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY 22 GCGGCCCCCGCCACCGCGCCCGCCCGCCCTGCGCCGACGCGCCCGCCGCTTCGCT 81
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 335 GGAACCGCGGATCGCCAGCGGATGCGCGCGGAGAGGACGCGCGCGCTTGT 276
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 82 TCGCTCTTTCCCGCGGACTGACGCCATCTACGGAGAGTGCGCGCGCTTTACCCGTGAC 141
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 275 CTGCTGATGCTCCACACGGGTGCGCGCGCGCGAGTCGCGCCAGCTGCGCGCTGG 216
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 142 CAGCGGAACCGCTCCAGGTTACCGCTATCGTCAAGTACTGTTGGTGGCCAG 196
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 215 CAGCGGGAACAGCGCGCGCGCTGCGCGCTTGGCTGGGCGCAGGTGATGATGACCG 161
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 8
US-09-252-991A-5874/c
; Sequence 5874, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 5874
; LENGTH: 1236
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5874

Query Match          3.1%; Score 40.6; DB 4; Length 1236;
Best Local Similarity 52.0%; Pred. No. 0.13;
Matches 91; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY 22 GCGGCCCCCGCCACCGCGCCCGCCCGCCCTGCGCCGACGCGCCCGCCGCTTCGCT 81
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 358 GGAACCGCGGATCGCCAGCGGATGCGCGCGGAGAGGACGCGCGCGCTTGT 299
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 82 TCGCTCTTTCCCGCGGACTGACGCCATCTACGGAGAGTGCGCGCGCTTTACCCGTGAC 141
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CTGCTGATGCTCCACACGGGTGCGCGCGCGCGAGTCGCGCCAGCTGCGCGCTGG 239
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 142 CAGCGGAACCGCTCCAGGTTACCGCTATCGTCAAGTACTGTTGGTGGCCAG 196
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 238 CAGCGGGAACAGCGCGCGCGCTGCGCGCTTGGCTGGGCGCAGGTGATGATGACCG 184
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 9
US-09-252-991A-5797
; Sequence 5797, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
```

```
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 5797
; LENGTH: 1338
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5797

Query Match          3.1%; Score 40.6; DB 4; Length 1338;
Best Local Similarity 52.0%; Pred. No. 0.14;
Matches 91; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY 22 GCGGCCCCCGCCACCGCGCCCGCCCGCCCTGCGCCGACGCGCCCGCGCTTCGCT 81
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 960 GGAACCGCGGATCGCCAGCGCATGCGCGCGGAGAGGACGCGCGCGCTTGT 1019
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 82 TCGCTCTTTCCCGCGGACTGACGCCATCTACGGAGAGTGCGCGCGCTTTACCCGTGAC 141
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1020 CTGCTGATGCTCCACACGGGTGCGCGCGCGCGCGCGCGCGCGCGCTTCGCTGGG 1079
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 142 CAGCGGAACCGCTCCAGGTTACCGCTATCGTCAAGTACTGTTGGTGGCCAG 196
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1080 CAGCGGAACAGCGCGCGCGCTGCGCGCTTGGCTGGGCGCAGGTGATGATGACCG 1134
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 10
US-09-252-991A-5778
; Sequence 5778, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 5778
; LENGTH: 1611
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5778

Query Match          3.1%; Score 40.6; DB 4; Length 1611;
Best Local Similarity 52.0%; Pred. No. 0.15;
Matches 91; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY 22 GCGGCCCCCGCCACCGCGCCCGCCCGCCCTGCGCCGACGCGCCCGCGCTTCGCT 81
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 280 GGAACCGCGGATCGCCAGCGCATGCGCGCGGAGAGGACGCGCGCGCTTGT 339
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 82 TCGCTCTTTCCCGCGGACTGACGCCATCTACGGAGAGTGCGCGCGCTTTACCCGTGAC 141
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 340 CTGCTGATGCTCCACACGGGTGCGCGCGCGCGCGCGCGCGCGCGCTTCGCTGGG 399
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 142 CAGCGGAACCGCTCCAGGTTACCGCTATCGTCAAGTACTGTTGGTGGCCAG 196
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 400 CAGCGGAACAGCGCGCGCGCTGCGCGCTTGGCTGGGCGCAGGTGATGATGACCG 454
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 11
US-08-415-655-11/c
; Sequence 11, Application US/08415655
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1	PRIOR APPLICATION NUMBER: 60/059122	1	PRIOR FILING DATE: 1998-02-04
2	PRIOR FILING DATE: 1997-09-17	2	PRIOR APPLICATION NUMBER: 60/074086
3	PRIOR APPLICATION NUMBER: 60/059184	3	PRIOR FILING DATE: 1998-02-09
4	PRIOR FILING DATE: 1997-09-17	4	PRIOR APPLICATION NUMBER: 60/074092
5	PRIOR APPLICATION NUMBER: 60/059263	5	PRIOR FILING DATE: 1998-02-09
6	PRIOR FILING DATE: 1997-09-18	6	PRIOR APPLICATION NUMBER: 60/077791
7	PRIOR APPLICATION NUMBER: 60/059352	7	PRIOR FILING DATE: 1998-03-12
8	PRIOR FILING DATE: 1997-09-19	8	PRIOR APPLICATION NUMBER: 60/078910
9	PRIOR APPLICATION NUMBER: 60/059588	9	PRIOR FILING DATE: 1998-03-20
10	PRIOR FILING DATE: 1997-09-19	10	PRIOR APPLICATION NUMBER: 60/079294
11	PRIOR APPLICATION NUMBER: 60/059836	11	PRIOR FILING DATE: 1998-03-25
12	PRIOR FILING DATE: 1997-09-24	12	PRIOR APPLICATION NUMBER: 60/079663
13	PRIOR APPLICATION NUMBER: 60/062250	13	PRIOR FILING DATE: 1998-02-27
14	PRIOR FILING DATE: 1997-10-17	14	PRIOR APPLICATION NUMBER: 60/079728
15	PRIOR APPLICATION NUMBER: 60/062285	15	PRIOR FILING DATE: 1998-03-27
16	PRIOR FILING DATE: 1997-10-17	16	PRIOR APPLICATION NUMBER: 60/080165
17	PRIOR APPLICATION NUMBER: 60/062287	17	PRIOR FILING DATE: 1998-03-31
18	PRIOR FILING DATE: 1997-10-17	18	PRIOR APPLICATION NUMBER: 60/081203
19	PRIOR APPLICATION NUMBER: 60/062814	19	PRIOR FILING DATE: 1998-04-09
20	PRIOR FILING DATE: 1997-10-24	20	PRIOR APPLICATION NUMBER: 60/081229
21	PRIOR APPLICATION NUMBER: 60/062816	21	PRIOR FILING DATE: 1998-04-14
22	PRIOR FILING DATE: 1997-10-24	22	PRIOR APPLICATION NUMBER: 60/081695
23	PRIOR APPLICATION NUMBER: 60/063045	23	PRIOR FILING DATE: 1998-04-15
24	PRIOR FILING DATE: 1997-10-24	24	PRIOR APPLICATION NUMBER: 60/081817
25	PRIOR APPLICATION NUMBER: 60/063082	25	PRIOR FILING DATE: 1998-04-15
26	PRIOR FILING DATE: 1997-10-31	26	PRIOR APPLICATION NUMBER: 60/081818
27	PRIOR APPLICATION NUMBER: 60/063127	27	PRIOR FILING DATE: 1998-04-15
28	PRIOR FILING DATE: 1997-10-24	28	PRIOR APPLICATION NUMBER: 60/082999
29	PRIOR APPLICATION NUMBER: 60/063327	29	PRIOR FILING DATE: 1998-04-24
30	PRIOR FILING DATE: 1997-10-27	30	PRIOR APPLICATION NUMBER: 60/083322
31	PRIOR APPLICATION NUMBER: 60/063329	31	PRIOR FILING DATE: 1998-04-28
32	PRIOR FILING DATE: 1997-10-27	32	PRIOR APPLICATION NUMBER: 60/083545
33	PRIOR APPLICATION NUMBER: 60/063550	33	PRIOR FILING DATE: 1998-04-29
34	PRIOR FILING DATE: 1997-10-28	34	PRIOR APPLICATION NUMBER: 60/084600
35	PRIOR APPLICATION NUMBER: 60/063561	35	PRIOR FILING DATE: 1998-05-07
36	PRIOR FILING DATE: 1997-10-28	36	PRIOR APPLICATION NUMBER: 60/084627
37	PRIOR APPLICATION NUMBER: 60/063704	37	PRIOR FILING DATE: 1998-05-07
38	PRIOR FILING DATE: 1997-10-29	38	PRIOR APPLICATION NUMBER: 60/084637
39	PRIOR APPLICATION NUMBER: 60/063733	39	PRIOR FILING DATE: 1998-05-07
40	PRIOR FILING DATE: 1997-10-29	40	PRIOR APPLICATION NUMBER: 60/085149
41	PRIOR APPLICATION NUMBER: 60/063735	41	PRIOR FILING DATE: 1998-05-12
42	PRIOR FILING DATE: 1997-10-29	42	PRIOR APPLICATION NUMBER: 60/085323
43	PRIOR APPLICATION NUMBER: 60/063738	43	PRIOR FILING DATE: 1998-05-13
44	PRIOR FILING DATE: 1997-10-29	44	PRIOR APPLICATION NUMBER: 60/085338
45	PRIOR APPLICATION NUMBER: 60/063755	45	PRIOR FILING DATE: 1998-05-13
46	PRIOR FILING DATE: 1997-10-17	46	PRIOR APPLICATION NUMBER: 60/085339
47	PRIOR APPLICATION NUMBER: 60/064248	47	PRIOR FILING DATE: 1998-05-13
48	PRIOR FILING DATE: 1997-11-03	48	PRIOR APPLICATION NUMBER: 60/085579
49	PRIOR APPLICATION NUMBER: 60/064809	49	PRIOR FILING DATE: 1998-05-15
50	PRIOR FILING DATE: 1997-11-07	50	PRIOR APPLICATION NUMBER: 60/085697
51	PRIOR APPLICATION NUMBER: 60/065186	51	PRIOR FILING DATE: 1998-05-15
52	PRIOR FILING DATE: 1997-11-12	52	PRIOR APPLICATION NUMBER: 60/085704
53	PRIOR APPLICATION NUMBER: 60/065846	53	PRIOR FILING DATE: 1998-05-15
54	PRIOR FILING DATE: 1997-11-17	54	PRIOR APPLICATION NUMBER: 60/086414
55	PRIOR APPLICATION NUMBER: 60/066364	55	PRIOR FILING DATE: 1998-05-22
56	PRIOR FILING DATE: 1997-11-21	56	PRIOR APPLICATION NUMBER: 60/086430
57	PRIOR APPLICATION NUMBER: 60/066453	57	PRIOR FILING DATE: 1998-05-22
58	PRIOR FILING DATE: 1997-11-24	58	PRIOR APPLICATION NUMBER: 60/087106
59	PRIOR APPLICATION NUMBER: 60/066511	59	PRIOR FILING DATE: 1998-05-28
60	PRIOR FILING DATE: 1997-11-24	60	PRIOR APPLICATION NUMBER: 60/088026
61	PRIOR APPLICATION NUMBER: 60/066770	61	PRIOR FILING DATE: 1998-06-04
62	PRIOR FILING DATE: 1997-11-24	62	PRIOR APPLICATION NUMBER: 60/088730
63	PRIOR APPLICATION NUMBER: 60/069212	63	PRIOR FILING DATE: 1998-06-10
64	PRIOR FILING DATE: 1997-12-11	64	PRIOR APPLICATION NUMBER: 60/088741
65	PRIOR APPLICATION NUMBER: 60/069278	65	PRIOR FILING DATE: 1998-06-10
66	PRIOR FILING DATE: 1997-12-11	66	PRIOR APPLICATION NUMBER: 60/088810
67	PRIOR APPLICATION NUMBER: 60/069334	67	PRIOR FILING DATE: 1998-06-10
68	PRIOR FILING DATE: 1997-12-11	68	PRIOR APPLICATION NUMBER: 60/088858
69	PRIOR APPLICATION NUMBER: 60/069694	6	

; PRIOR APPLICATION NUMBER: 60/089907
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/089947
 ; PRIOR FILING DATE: 1998-06-19
 ; PRIOR APPLICATION NUMBER: 60/090349
 ; PRIOR FILING DATE: 1998-06-23
 ; PRIOR APPLICATION NUMBER: 60/090429
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090445
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090538
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090863
 ; PRIOR FILING DATE: 1998-06-26
 ; PRIOR APPLICATION NUMBER: 60/091360
 ; PRIOR FILING DATE: 1998-07-01
 ; PRIOR APPLICATION NUMBER: 60/091519
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091982
 ; PRIOR FILING DATE: 1998-07-07

Query Match 100.0%; Score 2334; DB 14; Length 433;
 Best Local Similarity 100.0%; Pred. No. 3.8e-198;
 Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MAELRPSGAGPTAPPAGGTAPPAPASLFPFGLHAIYGECCRLYPDQFNPLQVTAIVKY 60
 Db 1 MAELRPSGAGPTAPPAGGTAPPAPASLFPFGLHAIYGECCRLYPDQFNPLQVTAIVKY 60
 QY 61 WLGGDPDLVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGSPGFGFEL 120
 Db 61 WLGGDPDLVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGSPGFGFEL 120
 QY 121 TFLRKRTGESAPPTPAELMQGLARYVFOSENTFCSDHVSWHSPDLSNSESRIQHMLLT 180
 Db 121 TFLRKRTGESAPPTPAELMQGLARYVFOSENTFCSDHVSWHSPDLSNSESRIQHMLLT 180
 QY 181 EDPQVQVPTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
 Db 181 EDPQVQVPTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
 QY 241 GETTIFDHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTPRRL 300
 Db 241 GETTIFDHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTPRRL 300
 QY 301 SGKDTQIRRTLRRGLEINSKVPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360
 Db 301 SGKDTQIRRTLRRGLEINSKVPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360
 QY 361 IRTQLESVHLKFNQESGALIPLCRLGRLLHGRHFTYKSI TGDMAITFVSTGVEGAFATE 420
 Db 361 IRTQLESVHLKFNQESGALIPLCRLGRLLHGRHFTYKSI TGDMAITFVSTGVEGAFATE 420
 QY 421 EHPYAAHGFWLQL 433
 Db 421 EHPYAAHGFWLQL 433

RESULT 2
 US-10-140-808-6
 ; Sequence 6, Application US/10140808
 ; Publication No. US20030017563A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P330R1C182
 ; CURRENT APPLICATION NUMBER: US/10/140,808
 ; CURRENT FILING DATE: 2002-05-07
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 6
 ; LENGTH: 433
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-10-140-808-6

Query Match 100.0%; Score 2334; DB 14; Length 433;
 Best Local Similarity 100.0%; Pred. No. 3.8e-198;
 Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MAELRPSGAGPTAPPAGGTAPPAPASLFPFGLHAIYGECCRLYPDQFNPLQVTAIVKY 60
 Db 1 MAELRPSGAGPTAPPAGGTAPPAPASLFPFGLHAIYGECCRLYPDQFNPLQVTAIVKY 60
 QY 61 WLGGDPDLVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGSPGFGFEL 120
 Db 61 WLGGDPDLVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGSPGFGFEL 120
 QY 121 TFLRKRTGESAPPTPAELMQGLARYVFOSENTFCSDHVSWHSPDLSNSESRIQHMLLT 180
 Db 121 TFLRKRTGESAPPTPAELMQGLARYVFOSENTFCSDHVSWHSPDLSNSESRIQHMLLT 180
 QY 181 EDPQVQVPTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
 Db 181 EDPQVQVPTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
 QY 241 GETTIFDHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTPRRL 300
 Db 241 GETTIFDHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTPRRL 300
 QY 301 SGKDTQIRRTLRRGLEINSKVPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360
 Db 301 SGKDTQIRRTLRRGLEINSKVPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360
 QY 361 IRTQLESVHLKFNQESGALIPLCRLGRLLHGRHFTYKSI TGDMAITFVSTGVEGAFATE 420
 Db 361 IRTQLESVHLKFNQESGALIPLCRLGRLLHGRHFTYKSI TGDMAITFVSTGVEGAFATE 420
 QY 421 EHPYAAHGFWLQL 433
 Db 421 EHPYAAHGFWLQL 433

RESULT 3
 US-10-121-049-6
 ; Sequence 6, Application US/10121049
 ; Publication No. US2003002239A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven

; APPLICANT: Smith,Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C17
 ; CURRENT APPLICATION NUMBER: US/10/121,049
 ; CURRENT FILING DATE: 2002-04-12
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 6
 ; LENGTH: 433
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-121-049-6

Query Match 100.0%; Score 2334; DB 14; Length 433;
 Best Local Similarity 100.0%; Pred. No. 3.8e-198;
 Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MAELRPSGAGPTAPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
 Db 1 MAELRPSGAGPTAPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
 QY 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
 Db 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
 QY 121 TRLKRETESAPPTWPAELMOGLARYVQSENFTCSGDHVSWSPLDSESRIQHMLLT 180
 Db 121 TRLKRETESAPPTWPAELMOGLARYVQSENFTCSGDHVSWSPLDSESRIQHMLLT 180
 QY 181 EDPQMPQVTPGVVTFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 Db 181 EDPQMPQVTPGVVTFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 QY 241 GTTIFEIDPHLQERVDKGIETDGSNLGVSACAWDDLSRPPEDEDSRSICIGTQPRRL 300
 Db 241 GTTIFEIDPHLQERVDKGIETDGSNLGVSACAWDDLSRPPEDEDSRSICIGTQPRRL 300
 QY 301 SKKDEQIRETLRRGLEINSKPVLPPINPQONGLAHRAPSKDSLESSTAIIPHEL 360
 Db 301 SKKDEQIRETLRRGLEINSKPVLPPINPQONGLAHRAPSKDSLESSTAIIPHEL 360
 QY 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDVAITFVSTGVEGAPATE 420
 Db 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDVAITFVSTGVEGAPATE 420
 QY 421 EHPYAAHGPWLQ 433
 Db 421 EHPYAAHGPWLQ 433

RESULT 4

US-10-123-904-6
 ; Sequence 6, Application US/10123904
 ; Publication No. US20030022328A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330R1C54
 ; CURRENT APPLICATION NUMBER: US/10/123,904
 ; CURRENT FILING DATE: 2002-04-16
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 6
 ; LENGTH: 433
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-123-904-6

Query Match 100.0%; Score 2334; DB 14; Length 433;
 Best Local Similarity 100.0%; Pred. No. 3.8e-198;
 Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MAELRPSGAGPTAPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
 Db 1 MAELRPSGAGPTAPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
 QY 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
 Db 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
 QY 121 TRLKRETESAPPTWPAELMOGLARYVQSENFTCSGDHVSWSPLDSESRIQHMLLT 180
 Db 121 TRLKRETESAPPTWPAELMOGLARYVQSENFTCSGDHVSWSPLDSESRIQHMLLT 180
 QY 181 EDPQMPQVTPGVVTFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 Db 181 EDPQMPQVTPGVVTFLOIVGVCTEELHSAQWNGQIGLELLRTVPIAGGPWLITDMRR 240
 QY 241 GTTIFEIDPHLQERVDKGIETDGSNLGVSACAWDDLSRPPEDEDSRSICIGTQPRRL 300
 Db 241 GTTIFEIDPHLQERVDKGIETDGSNLGVSACAWDDLSRPPEDEDSRSICIGTQPRRL 300
 QY 301 SKKDEQIRETLRRGLEINSKPVLPPINPQONGLAHRAPSKDSLESSTAIIPHEL 360
 Db 301 SKKDEQIRETLRRGLEINSKPVLPPINPQONGLAHRAPSKDSLESSTAIIPHEL 360
 QY 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDVAITFVSTGVEGAPATE 420
 Db 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDVAITFVSTGVEGAPATE 420
 QY 421 EHPYAAHGPWLQ 433
 Db 421 EHPYAAHGPWLQ 433

RESULT 5

US-10-140-470-6
 ; Sequence 6, Application US/10140470
 ; Publication No. US20030022331A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.


```

; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C160
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 6
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-470-6

Query Match      100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAELRPSGAGPTAPPAGPTAPPASLFPFGLHAIYGECCRLLYPDQNPLOVTAIVKY 60
Db 1 MAELRPSGAGPTAPPAGPTAPPASLFPFGLHAIYGECCRLLYPDQNPLOVTAIVKY 60

Qy 61 WLGGPDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHFTGTGSPGFGFEL 120
Db 61 WLGGPDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHFTGTGSPGFGFEL 120

Qy 121 TFLRKRETCESAPPTWPAELMQLGARYVFOSENTFCSGDHVSWHSPLDNSRSRIQHMLLT 180
Db 121 TFLRKRETCESAPPTWPAELMQLGARYVFOSENTFCSGDHVSWHSPLDNSRSRIQHMLLT 180

Qy 181 EDPQMPQVPTPGVTVFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
Db 181 EDPQMPQVPTPGVTVFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240

Qy 241 GETIFEIDPHLQERVDKGIETDGSNLSGVSAKAWDDLSRPDEDDSDRSICIGTQPRRL 300
Db 241 GETIFEIDPHLQERVDKGIETDGSNLSGVSAKAWDDLSRPDEDDSDRSICIGTQPRRL 300

Qy 301 SGKDTQIETRLRGLLEINSKPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360
Db 301 SGKDTQIETRLRGLLEINSKPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360

Qy 361 ITRQLQSVHLKFNQESGALIPLCLRGLLHGRHFTYKSIITGDMATTFVSTGVEGAFATE 420
Db 361 ITRQLQSVHLKFNQESGALIPLCLRGLLHGRHFTYKSIITGDMATTFVSTGVEGAFATE 420

Qy 421 EHPYAAHGPWLQL 433
Db 421 EHPYAAHGPWLQL 433

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RESULT 6

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US-10-175-746-6
; Sequence 6, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K

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```

; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C353
; CURRENT APPLICATION NUMBER: US/10/175,746
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 6
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-746-6

Query Match      100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAELRPSGAGPTAPPAGPTAPPASLFPFGLHAIYGECCRLLYPDQNPLOVTAIVKY 60
Db 1 MAELRPSGAGPTAPPAGPTAPPASLFPFGLHAIYGECCRLLYPDQNPLOVTAIVKY 60

Qy 61 WLGGPDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHFTGTGSPGFGFEL 120
Db 61 WLGGPDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHFTGTGSPGFGFEL 120

Qy 121 TFLRKRETCESAPPTWPAELMQLGARYVFOSENTFCSGDHVSWHSPLDNSRSRIQHMLLT 180
Db 121 TFLRKRETCESAPPTWPAELMQLGARYVFOSENTFCSGDHVSWHSPLDNSRSRIQHMLLT 180

Qy 181 EDPQMPQVPTPGVTVFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
Db 181 EDPQMPQVPTPGVTVFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240

Qy 241 GETIFEIDPHLQERVDKGIETDGSNLSGVSAKAWDDLSRPDEDDSDRSICIGTQPRRL 300
Db 241 GETIFEIDPHLQERVDKGIETDGSNLSGVSAKAWDDLSRPDEDDSDRSICIGTQPRRL 300

Qy 301 SGKDTQIETRLRGLLEINSKPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360
Db 301 SGKDTQIETRLRGLLEINSKPVLPINPQONGLAHDRAPSKDSLESSTAIIPHEL 360

Qy 361 ITRQLQSVHLKFNQESGALIPLCLRGLLHGRHFTYKSIITGDMATTFVSTGVEGAFATE 420
Db 361 ITRQLQSVHLKFNQESGALIPLCLRGLLHGRHFTYKSIITGDMATTFVSTGVEGAFATE 420

Qy 421 EHPYAAHGPWLQL 433
Db 421 EHPYAAHGPWLQL 433

```

RESULT 7

```

US-10-176-918-6
; Sequence 6, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K

```

```

; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C382
; CURRENT APPLICATION NUMBER: US/10/176,918
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 6
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-918-6

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```

Query Match      100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAELRPSGAPGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
DB 1 MAELRPSGAPGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
QY 61 WLGGPDPDLYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
DB 61 WLGGPDPDLYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
QY 121 TFLRKRETCESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSRSRQHMLLT 180
DB 121 TFLRKRETCESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSRSRQHMLLT 180
QY 181 EDPMQPVQTPFGVVTFLQIVGVCTEELHSAQWNGQGIPELLRTVPIAGGFWLITDMRR 240
DB 181 EDPMQPVQTPFGVVTFLQIVGVCTEELHSAQWNGQGIPELLRTVPIAGGFWLITDMRR 240
QY 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPEDDEDSRSICIGTQPRRL 300
DB 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPEDDEDSRSICIGTQPRRL 300
QY 301 SGKDTQEIETRLRRGLEINSKVPVLPINPQONGLAHDRAPSRKDSLESSTAIIPHEL 360
DB 301 SGKDTQEIETRLRRGLEINSKVPVLPINPQONGLAHDRAPSRKDSLESSTAIIPHEL 360
QY 361 INTROLESVHLKFNQESGALIPCLGRLLHGRHFTYKSTGDMAITFVSTGVEGAPATE 420
DB 361 INTROLESVHLKFNQESGALIPCLGRLLHGRHFTYKSTGDMAITFVSTGVEGAPATE 420
QY 421 EHPYAAHGFWLQL 433
DB 421 EHPYAAHGFWLQL 433

```

RESULT 8

```

US-10-176-921-6
; Sequence 6, Application US/10176921
; Publication No. US2003002726A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William

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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C288
; CURRENT APPLICATION NUMBER: US/10/176,921
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 6
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-921-6

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```

Query Match      100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAELRPSGAPGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
DB 1 MAELRPSGAPGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
QY 61 WLGGPDPDLYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
DB 61 WLGGPDPDLYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFGFEL 120
QY 121 TFLRKRETCESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSRSRQHMLLT 180
DB 121 TFLRKRETCESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSRSRQHMLLT 180
QY 181 EDPMQPVQTPFGVVTFLQIVGVCTEELHSAQWNGQGIPELLRTVPIAGGFWLITDMRR 240
DB 181 EDPMQPVQTPFGVVTFLQIVGVCTEELHSAQWNGQGIPELLRTVPIAGGFWLITDMRR 240
QY 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPEDDEDSRSICIGTQPRRL 300
DB 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPEDDEDSRSICIGTQPRRL 300
QY 301 SGKDTQEIETRLRRGLEINSKVPVLPINPQONGLAHDRAPSRKDSLESSTAIIPHEL 360
DB 301 SGKDTQEIETRLRRGLEINSKVPVLPINPQONGLAHDRAPSRKDSLESSTAIIPHEL 360
QY 361 INTROLESVHLKFNQESGALIPCLGRLLHGRHFTYKSTGDMAITFVSTGVEGAPATE 420
DB 361 INTROLESVHLKFNQESGALIPCLGRLLHGRHFTYKSTGDMAITFVSTGVEGAPATE 420
QY 421 EHPYAAHGFWLQL 433
DB 421 EHPYAAHGFWLQL 433

```

RESULT 9

```

US-10-137-865-6
; Sequence 6, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

```


FILE REFERENCE: P3330R1C251
CURRENT APPLICATION NUMBER: US/10/142,431
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 6
LENGTH: 433
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-431-6

Query Match 100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAELRPSGAGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
Db 1 MAELRPSGAGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60

QY 61 WLGGDPDLVYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFPEL 120
Db 61 WLGGDPDLVYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFPEL 120

QY 121 TFLKRETESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSESRIQHMLLT 180
Db 121 TFLKRETESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSESRIQHMLLT 180

QY 181 EDPQMPQVOTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGPWLITDMR 240
Db 181 EDPQMPQVOTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGPWLITDMR 240

QY 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTQPRRL 300
Db 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTQPRRL 300

QY 301 SKQDEQIRETLRRGLEINSKVLPINPQONGLAHRAPSKDSLESSTAIIPHEL 360
Db 301 SKQDEQIRETLRRGLEINSKVLPINPQONGLAHRAPSKDSLESSTAIIPHEL 360

QY 361 INTRQLESVHLKFNESGALIPCLRGRLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420
Db 361 INTRQLESVHLKFNESGALIPCLRGRLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420

QY 421 EHPYAAHGFWLQ 433
Db 421 EHPYAAHGFWLQ 433

RESULT 12

US-10-143-114-6
Sequence 6, Application US/10143114
Publication No. US20030036180A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C211

CURRENT APPLICATION NUMBER: US/10/143,114
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 6
LENGTH: 433
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-114-6

Query Match 100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAELRPSGAGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60
Db 1 MAELRPSGAGPTAPPAGPTAPPAPASLFPPLGLHAIYGECCRLYPDQNPLOVTAIVKY 60

QY 61 WLGGDPDLVYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFPEL 120
Db 61 WLGGDPDLVYVMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTGPGSGFPEL 120

QY 121 TFLKRETESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSESRIQHMLLT 180
Db 121 TFLKRETESAPPTWPAELMOGLARYVQSENTEFCSDGHVSWHSPLDNSESRIQHMLLT 180

QY 181 EDPQMPQVOTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGPWLITDMR 240
Db 181 EDPQMPQVOTPGVVTFLQIVGVCTEELHSAQWNGQGLELLRTVPIAGGPWLITDMR 240

QY 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTQPRRL 300
Db 241 GETIFEIDPHLQERVDKGIETDGSNLGVSASAKAWDDLSRPDEDDSDRSICIGTQPRRL 300

QY 301 SKQDEQIRETLRRGLEINSKVLPINPQONGLAHRAPSKDSLESSTAIIPHEL 360
Db 301 SKQDEQIRETLRRGLEINSKVLPINPQONGLAHRAPSKDSLESSTAIIPHEL 360

QY 361 INTRQLESVHLKFNESGALIPCLRGRLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420
Db 361 INTRQLESVHLKFNESGALIPCLRGRLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420

QY 421 EHPYAAHGFWLQ 433
Db 421 EHPYAAHGFWLQ 433

RESULT 13

US-10-140-002-6
Sequence 6, Application US/10140002
Publication No. US20030037623A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C59
CURRENT APPLICATION NUMBER: US/10/140,002

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; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 6
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-002-6

Query Match      100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAELRPSGAGPTAPAPGPTAPPAPASLFPGLHAHYGECRRLYPDQNPLOVTAIVKY 60
Db 1 MAELRPSGAGPTAPAPGPTAPPAPASLFPGLHAHYGECRRLYPDQNPLOVTAIVKY 60
Qy 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSPGFGFEL 120
Db 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSPGFGFEL 120
Qy 121 TPLRKRETSAPPTWPAELMQLARYVFOSENTFCSDGHVSWHSPDLNSESRIQHMLLT 180
Db 121 TPLRKRETSAPPTWPAELMQLARYVFOSENTFCSDGHVSWHSPDLNSESRIQHMLLT 180
Qy 181 EDPMQVQTPGVVTFQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
Db 181 EDPMQVQTPGVVTFQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
Qy 241 GETIFEIDPHLQERVVKGIETDGSNLGVSASAKAWDDLRSRPDEDDSDRSICIGTQPRRL 300
Db 241 GETIFEIDPHLQERVVKGIETDGSNLGVSASAKAWDDLRSRPDEDDSDRSICIGTQPRRL 300
Qy 301 SKDTEQIRETLRRGLEINSKVPILPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
Db 301 SKDTEQIRETLRRGLEINSKVPILPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
Qy 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420
Db 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420
Qy 421 EHPYAAHGFWLQL 433
Db 421 EHPYAAHGFWLQL 433

RESULT 14
US-10-142-419-6
; Sequence 6, Application US/10142419
; Publication No. US20030044945A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333OR1C244
; CURRENT APPLICATION NUMBER: US/10/142,419
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See Palm or File Wrapper

; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 6
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-419-6

Query Match      100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAELRPSGAGPTAPAPGPTAPPAPASLFPGLHAHYGECRRLYPDQNPLOVTAIVKY 60
Db 1 MAELRPSGAGPTAPAPGPTAPPAPASLFPGLHAHYGECRRLYPDQNPLOVTAIVKY 60
Qy 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSPGFGFEL 120
Db 61 WLGGPDPDLYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSPGFGFEL 120
Qy 121 TPLRKRETSAPPTWPAELMQLARYVFOSENTFCSDGHVSWHSPDLNSESRIQHMLLT 180
Db 121 TPLRKRETSAPPTWPAELMQLARYVFOSENTFCSDGHVSWHSPDLNSESRIQHMLLT 180
Qy 181 EDPMQVQTPGVVTFQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
Db 181 EDPMQVQTPGVVTFQIVGVCTEELHSAQWNGQGLELLRTVPIAGGFWLITDMRR 240
Qy 241 GETIFEIDPHLQERVVKGIETDGSNLGVSASAKAWDDLRSRPDEDDSDRSICIGTQPRRL 300
Db 241 GETIFEIDPHLQERVVKGIETDGSNLGVSASAKAWDDLRSRPDEDDSDRSICIGTQPRRL 300
Qy 301 SKDTEQIRETLRRGLEINSKVPILPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
Db 301 SKDTEQIRETLRRGLEINSKVPILPINPQONGLAHRAPSRKDSLESSTAIIPHEL 360
Qy 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420
Db 361 ITRQLESVHLKFNQESGALIPCLRLGRLLHGRHFTYKSIITGDMAITFVSTGVEGAFATE 420
Qy 421 EHPYAAHGFWLQL 433
Db 421 EHPYAAHGFWLQL 433

RESULT 15
US-10-123-262-6
; Sequence 6, Application US/10123262
; Publication No. US20030049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333OR1C38
; CURRENT APPLICATION NUMBER: US/10/123,262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
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; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 6
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-262-6

Query Match      100.0%; Score 2334; DB 14; Length 433;
Best Local Similarity 100.0%; Pred. No. 3.8e-198;
Matches 433; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAELRPSGAGPTAPPAPGPTAPPAPGASLFPPLGLHAIYGECCRLLYDQPNPLQVTAIVKY 60
Db 1 MAELRPSGAGPTAPPAPGPTAPPAPGASLFPPLGLHAIYGECCRLLYDQPNPLQVTAIVKY 60
QY 61 WLGGDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSGGFEL 120
Db 61 WLGGDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSGGFEL 120
QY 121 TFLKRETGESAPPTWPAELMQGLARYVQSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180
Db 121 TFLKRETGESAPPTWPAELMQGLARYVQSENTFCSGDHVSWHSPLDNSESRIQHMLLT 180
QY 181 EDPQMQPVQTPFGVVTFLLQIVGCVTEELHSAQWNQGOILELLRTVPIAGGPWLITDMRR 240
Db 181 EDPQMQPVQTPFGVVTFLLQIVGCVTEELHSAQWNQGOILELLRTVPIAGGPWLITDMRR 240
QY 241 GETIFEIDPHLQERVVDKGIETDGNLSGVSAKCAWDDLSRPPEDEDSRSICIGTQPRRL 300
Db 241 GETIFEIDPHLQERVVDKGIETDGNLSGVSAKCAWDDLSRPPEDEDSRSICIGTQPRRL 300
QY 301 SGKTEQIRETLRGLLEINSKXVLPINPQONGLAHADRAPSXRKDSLESSTAIIPHEL 360
Db 301 SGKTEQIRETLRGLLEINSKXVLPINPQONGLAHADRAPSXRKDSLESSTAIIPHEL 360
QY 361 IRTQLESVHLKFNOESGALIPCLRGELLHGRHFTYKSTIGDMAITFVSTGVEGAFATE 420
Db 361 IRTQLESVHLKFNOESGALIPCLRGELLHGRHFTYKSTIGDMAITFVSTGVEGAFATE 420
QY 421 EHPYAANGFWLQL 433
Db 421 EHPYAANGFWLQL 433
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Search completed: November 21, 2004, 15:59:32
Job time : 149 secs

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	1760	100.0	1760	4	US-10-140-002-5	Sequence 5, Appli
2	1364.6	77.5	2239	4	US-09-581-831-1	Sequence 14, Appli
3	55	31.1	7218	1	US-08-232-463-14	Sequence 14, Appli
4	48.2	2.7	2551	4	US-09-616-289-48	Sequence 48, Appli
5	48.2	2.7	152331	3	US-09-128-155-16	Sequence 16, Appli
6	46.6	2.6	1614	4	US-09-616-289-45	Sequence 45, Appli
7	46.6	2.6	12425	4	US-09-616-289-50	Sequence 50, Appli
8	46.2	2.6	865	4	US-09-270-767-11042	Sequence 11042, A
9	46	2.6	320	3	US-09-165-264-13	Sequence 13, Appli
10	45.4	2.6	3237	4	US-10-101-464A-858	Sequence 858, Appli
11	45.2	2.6	320	3	US-09-165-264-11	Sequence 11, Appli
12	45	2.6	319	3	US-09-165-264-8	Sequence 8, Appli
13	44.8	2.5	320	3	US-09-165-264-7	Sequence 7, Appli
14	44.6	2.5	320	3	US-09-165-264-14	Sequence 14, Appli
15	44.4	2.5	318	3	US-09-165-264-12	Sequence 12, Appli
16	43.2	2.5	4180	4	US-09-614-9158A-93	Sequence 93, Appli
17	43.2	2.5	12001	1	US-08-458-568A-11	Sequence 11, Appli
18	42.8	2.4	700	3	US-09-236-097-7	Sequence 7, Appli
19	41.6	2.4	2792	4	US-09-557-013-41	Sequence 41, Appli
20	41.6	2.4	7218	1	US-08-232-463-14	Sequence 14, Appli
21	41.2	2.3	774	3	US-08-415-655-11	Sequence 11, Appli
22	41	2.3	1936	4	US-09-249-585A-2	Sequence 2, Appli
23	41	2.3	1926	4	US-09-410-399-3	Sequence 3, Appli
24	41	2.3	2580	3	US-09-050-863-2	Sequence 2, Appli
25	41	2.3	2580	3	US-09-359-081-2	Sequence 2, Appli
26	41	2.3	5452	2	US-09-130-114-1	Sequence 1, Appli
27	41	2.3	5539	3	US-08-628-829-3	Sequence 3, Appli

181 CATCTACGAGAGTGCCTGGCGCTTTACCTGACGAGCGAAACCGCTCCAGGTTACCGC 240
Db CATCTACGAGAGTGCCTGGCGCTTTACCTGACGAGCGAAACCGCTCCAGGTTACCGC 240
241 TATCTGCACTAGTACTGGTGGCGGCGGAGACCCCTTGACTATGTAGCATGTACAGAA 300
Db TATCTGCACTAGTACTGGTGGCGGCGGAGACCCCTTGACTATGTAGCATGTACAGAA 300
301 TGTGGGAGCCCTTCTGCTAAACATCCCGAGACACTGGCACTACATCAGCTTCGGCTGAG 360
Db TGTGGGAGCCCTTCTGCTAAACATCCCGAGACACTGGCACTACATCAGCTTCGGCTGAG 360
361 TGATCTATGTGTGACAAACAGAGTCCATGAGTTTACAGAAACAGATGAGACCTAGTGGTT 420
Db TGATCTATGTGTGACAAACAGAGTCCATGAGTTTACAGAAACAGATGAGACCTAGTGGTT 420
421 TGGCTTTGAGTTGACCTTTCTGCTCAAGAGAGAACTGGGAGTCTGCCCCACCAACATG 480
Db TGGCTTTGAGTTGACCTTTCTGCTCAAGAGAGAACTGGGAGTCTGCCCCACCAACATG 480
481 GCCCGAGAGTTAAATGCAAGGCTTGGCAAGATACCTGTTCCAGTCAGAGAACACCTTCTG 540
Db GCCCGAGAGTTAAATGCAAGGCTTGGCAAGATACCTGTTCCAGTCAGAGAACACCTTCTG 540
541 CAGTGGGAGCAATGCTCTGCAAGAGAGAACTGGGAGTCTGCCCCACCAACATGACGA 600
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601 CATGCTGTGACAGAGAGACCCACAGATGAGCCCTGGAGACACCCCTTTGGGGTAGTTAC 660
Db CATGCTGTGACAGAGAGACCCACAGATGAGCCCTGGAGACACCCCTTTGGGGTAGTTAC 660
661 CTTCTCCAGATCGTTGGTGTCTGCAAGAGAGTACACTCAGCCAGCAGTGGAAAGCG 720
Db CTTCTCCAGATCGTTGGTGTCTGCAAGAGAGTACACTCAGCCAGCAGTGGAAAGCG 720
721 GCAGGCGATCTCTGGAGCTGCTCGGACAGTGCCTATTCTGGCGGCCCTCGCTGATAAC 780
Db GCAGGCGATCTCTGGAGCTGCTCGGACAGTGCCTATTCTGGCGGCCCTCGCTGATAAC 780
781 TGACATGCGGAGGAGAGACCATTTTGAATGATCCACACCTGCAAGAGAGAGTTGA 840
Db TGACATGCGGAGGAGAGACCATTTTGAATGATCCACACCTGCAAGAGAGAGTTGA 840
841 CAAAGGCATCGAGACAGATGCTCCAACTGAGTGGTGTGAGTGCCTGCTGGGA 900
Db CAAAGGCATCGAGACAGATGCTCCAACTGAGTGGTGTGAGTGCCTGCTGGGA 900
901 TGACCTGAGCGGCGGCGGCGGAGATGACAGAGACAGCGGAGCATCTCATCGGCACACA 960
Db TGACCTGAGCGGCGGCGGCGGAGATGACAGAGACAGCGGAGCATCTCATCGGCACACA 960
961 GCCCGGAGCTCTCTGCAAGAGACAGAGACAGATCCGGAGACCTGAGAGAGACT 1020
Db GCCCGGAGCTCTCTGCAAGAGACAGAGACAGATCCGGAGACCTGAGAGAGACT 1020
1021 CGAGATCAACAGCAACCTGCTTCCACCAATCAACCTCAGCGGCGAGATGCGCTCGC 1080
Db CGAGATCAACAGCAACCTGCTTCCACCAATCAACCTCAGCGGCGAGATGCGCTCGC 1080
1081 CCACAGCGGCGGCGGCGGAGAGACAGCTGGAAGTGAAGTCCAGCGGCATCAT 1140
Db CCACAGCGGCGGCGGCGGAGAGACAGCTGGAAGTGAAGTCCAGCGGCATCAT 1140
1141 TCCCATCAGCTGATTCGACGCGGAGCTTGAAGGCTGATCTGAAATTCACACAGGA 1200
Db TCCCATCAGCTGATTCGACGCGGAGCTTGAAGGCTGATCTGAAATTCACACAGGA 1200
1201 GTCCGAGGCGCTTCTCTGCTTAAGGGGAGGCTCTGATGAGCGGCACTTTAC 1260
Db GTCCGAGGCGCTTCTCTGCTTAAGGGGAGGCTCTGATGAGCGGCACTTTAC 1260

1261 ATATAAAGTATCACAGGTGACATGCCATCATGTTTGTCTCCAGGGAGTGAAGGCGC 1320
Db ATATAAAGTATCACAGGTGACATGCCATCATGTTTGTCTCCAGGGAGTGAAGGCGC 1320
1321 CTTTGGCACTGAGGAGATCCTTACGGGCTCATGAGACCTGTTTACACTCTGAACCTA 1380
Db CTTTGGCACTGAGGAGATCCTTACGGGCTCATGAGACCTGTTTACAACTCTGAACCTA 1380
1381 TCCTCGAGAGCTCTGCCCTCCCGTCTGGAACGCTTTTCTGCTCCCTGAGGAGAGGAGTCA 1440
Db TCCTCGAGAGCTCTGCCCTCCCGTCTGGAACGCTTTTCTGCTCCCTGAGGAGAGGAGTCA 1440
1441 GCATCTCCAAATTTTACGAGCTCAAGAACTTTGGCCCCCAGAGGACTTCCGAGATGTAC 1500
Db GCATCTCCAAATTTTACGAGCTCAAGAACTTTGGCCCCCAGAGGACTTCCGAGATGTAC 1500
1501 ATTGCCCTCAGTCCCTGAATGCTCCGAGCCCTTCCGAGCCCAACCCCAATTTCCCAAGCCCTGAC 1560
Db ATTGCCCTCAGTCCCTGAATGCTCCGAGCCCTTCCGAGCCCAACCCCAATTTCCCAAGCCCTGAC 1560
1561 CCCTTAGCTGCGGGGTTCCCACTCCAGTGCACAAACCCCTCACCCTCCCTGGAGCC 1620
Db CCCTTAGCTGCGGGGTTCCCACTCCAGTGCACAAACCCCTCACCCTCCCTGGAGCC 1620
1621 CCTCAGGAGCTGAGGCGGAGCCAGCCGCTGCTCCAGACATGCTCCCTCCCATGG 1680
Db CCTCAGGAGCTGAGGCGGAGCCAGCCGCTGCTCCAGACATGCTCCCTCCCATGG 1680
1681 GCTGTTGCCAGGAAACCGGGGCGGCTGGGAAACGAGTGTGCTGGCTCGGCTGCTTCAA 1740
Db GCTGTTGCCAGGAAACCGGGGCGGCTGGGAAACGAGTGTGCTGGCTCGGCTGCTTCAA 1740
1741 TAAAGTTGCTGCTGGGAG 1760
Db TAAAGTTGCTGCTGGGAG 1760

RESULT 2

US-09-581-831-1
; Sequence 1, Application US/09581831
; Patent No. 6448020
; GENERAL INFORMATION:
; APPLICANT: TOFTGARD, RUNE
; APPLICANT: ZAPHIROPOULOS, PETER G.
; APPLICANT: KOGERMAN, PRIIT
; APPLICANT: GRIMM, THOMAS
; TITLE OF INVENTION: MOLECULES ASSOCIATED WITH THE HUMAN SUPPRESSOR OF FUSED
; FILE REFERENCE: 50895-60568
; CURRENT APPLICATION NUMBER: US/09/581,831
; CURRENT FILING DATE: 2000-08-21
; PRIOR APPLICATION NUMBER: PCT/SE98/02383
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 9704788-0
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 9802293-2
; PRIOR FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (167)..(1618)
US-09-581-831-1

Query Match 77.5%; Score 1364.6; DB 4; Length 2239;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 1367; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

1 CCCGCTGGCCGCTCAGTGTCTCTCCCGCTTTCCTCTCCAGTTCGCCAGTCCCTGCTGC

Db 94 CCGCTGGCCGCTCAGTGTCTCCCGCTGTTTGGCCCTCAGTTCCTCCCGAGTGCCTGC 153
Qy 61 CTAAGCAACCCGATAGCGGAGCTGCGGCTTAGCGGCGCCCGCGGCCCAACCGCGCCCC 120
Db 154 CTAAGCAACCCGATAGCGGAGCTGCGGCTTAGCGGCGCCCGCGGCCCAACCGCGCCCC 213
Qy 121 GCGCCCTGGCGGAGTCCCGCCCGCTTACCCCTGAGTGTGCTTCCCGCGGAGTCCAGCG 180
Db 214 GCGCCCTGGCGGAGTCCCGCCCGCTTACCCCTGAGTGTGCTTCCCGCGGAGTCCAGCG 273
Qy 181 CATCTACGAGAGTGGCGGCGCTTTACCCCTGAGCGGAGTCCCGCTTACCGGTTACCGC 240
Db 274 CATCTACGAGAGTGGCGGCGCTTTACCCCTGAGCGGAGTCCCGCTTACCGGTTACCGC 333
Qy 241 TATCGTCAAGTACTGTTGGTGGCGGAGTCCCGCTTACCCCTGAGTGTGCTTCCCGCGGAGTCCAGGAA 300
Db 334 TATCGTCAAGTACTGTTGGTGGCGGAGTCCCGCTTACCCCTGAGTGTGCTTCCCGCGGAGTCCAGGAA 393
Qy 301 TGTGGGAGCCCTTCTGCTAAACATCCCGGAGCTGGCACTACATCAGCTTCGGGCTGAG 360
Db 394 TGTGGGAGCCCTTCTGCTAAACATCCCGGAGCTGGCACTACATCAGCTTCGGGCTGAG 453
Qy 361 TGAATCTATGTTGACAAACAGAGTCCATGAGTGTACAGGAAACAGATGAGCTAGTGGTTT 420
Db 454 TGAATCTATGTTGACAAACAGAGTCCATGAGTGTACAGGAAACAGATGAGCTAGTGGTTT 513
Qy 421 TGGCTTTGAGTGTGACCTTCTGCTGAGAGAGAACTGGGAGTCTGCCCAACCAATG 480
Db 514 TGGCTTTGAGTGTGACCTTCTGCTGAGAGAGAACTGGGAGTCTGCCCAACCAATG 573
Qy 481 GCGCGCAGATTAAGTACGAGGCTTGGCAGATACGTTTCCAGTCCAGAGAACCTTCTG 540
Db 574 GCGCGCAGATTAAGTACGAGGCTTGGCAGATACGTTTCCAGTCCAGAGAACCTTCTG 633
Qy 541 CAGTGGGAGCACTGTGCTGCGAGAGCTTGGATACAGTGTGAGTCAAGATTCAGCA 600
Db 634 CAGTGGGAGCACTGTGCTGCGAGAGCTTGGATACAGTGTGAGTCAAGATTCAGCA 693
Qy 601 CATGCTGCTGACAGAGAGCCACAGATGAGCGGCTGACAGACCCCTTTGGGGTATGTTAC 660
Db 694 CATGCTGCTGACAGAGAGCCACAGATGAGCGGCTGACAGACCCCTTTGGGGTATGTTAC 753
Qy 661 CTTCTCTCAGATCGTTGGTGTGCTGCACTGAGAGCTACACTCAGCCAGCAGTGGAAAG 720
Db 754 CTTCTCTCAGATCGTTGGTGTGCTGCACTGAGAGCTACACTCAGCCAGCAGTGGAAAG 813
Qy 721 GCAGGCACTCCTGAGCTGTGCGGAGTGTGCTTGTGCGGCGCCCTGCTGATAAC 780
Db 814 GCAGGCACTCCTGAGCTGTGCGGAGTGTGCTTGTGCGGCGCCCTGCTGATAAC 873
Qy 781 TGACATGCGGAGGGAGAGACCATATTTGAGATCGATCCACACCTGCAAGAGAGATTGA 840
Db 874 TGACATGCGGAGGGAGAGACCATATTTGAGATCGATCCACACCTGCAAGAGAGATTGA 933
Qy 841 CAAAGGATCGAGACAGATGGCTCCAACTGAGTGTGTCAGTGCCAACTGTGCTGGGA 900
Db 934 CAAAGGATCGAGACAGATGGCTCCAACTGAGTGTGTCAGTGCCAACTGTGCTGGGA 993
Qy 901 TGACCTGAGCGGCGCCCGGAGATGACGAGGACAGCGGAGCATCTGATCGGACACA 960
Db 994 TGACCTGAGCGGCGCCCGGAGATGACGAGGACAGCGGAGCATCTGATCGGACACA 1053
Qy 961 GCGCGGAGCTCTCTGGGAGAGACAGAGAGATCCGGGAGACCTGAGGAGGACT 1020
Db 1054 GCGCGGAGCTCTCTGGGAGAGACAGAGAGATCCGGGAGACCTGAGGAGGACT 1113
Qy 1021 CGAGATCAACAGCAAACTCTGCTTCCACCAATCAACCTCAGCGGAGAGTGGCCCTCG 1080
Db 1114 CGAGATCAACAGCAAACTCTGCTTCCACCAATCAACCTCAGCGGAGAGTGGCTCCC 1173
Qy 1081 CCACGACCGGCGCCCGAGCGGAGAGACCTTGGGAAAGTGAAGCTTCCAGCGCCATCAT 1140

Db 1174 CCACGACCGGCGCCCGAGCGCAAGACAGCTTGGAAAGTGACAGCTCCACGGCCATCAT 1233
Qy 1141 TCCCCATGAGCTGATTGGCAGCGGAGCTTGGAGAGCTACATCTGAAATTTCAACAGGA 1200
Db 1234 TCCCCATGAGCTGATTGGCAGCGGAGCTTGGAGAGCTACATCTGAAATTTCAACAGGA 1293
Qy 1201 GTCCGGAGCCCTCATCTCTCTGCTTAAAGGGCAGGCTCTCATGACGGCACTTTAC 1260
Db 1294 GTCCGGAGCCCTCATCTCTCTGCTTAAAGGGCAGGCTCTCATGACGGCACTTTAC 1353
Qy 1261 ATATAAAGTATACAGGTGACATGCGCATCAGTTTGTCTCCACGGGAGTGAAGCGC 1320
Db 1354 ATATAAAGTATACAGGTGACATGCGCATCAGTTTGTCTCCACGGGAGTGAAGCGC 1413
Qy 1321 CTTTGCCACTGAGGAGCATCTTACGGGCTCATGACCCCTGTTTACAAT 1371
Db 1414 CTTTGCCACTGAGGAGCATCTTACGGGCTCATGACCCCTGTTTACAAT 1464

RESULT 3
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: PTZgpt-Fls
US-08-232-463-14

Query Match 3.1%; Score 55; DB 1; Length 7218;
Best Local Similarity 4.0%; Pred. No. 0.0001;
Matches 16; Conservative 224; Mismatches 159; Indels 0; Gaps 0;
Qy 1294 GTTGTCTCCACGGGAGTGGAAAGCGCTTTGCCACTGAGGAGCATCTTACGGGCTCA 1353

[illegible]

Search completed: November 22, 2004, 02:34:53
Job time : 164.249 secs

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RESULT 13
US-09-165-264-7/c
; Sequence 7, Application US/09165264
; Patent No. 6197510
; GENERAL INFORMATION:
; APPLICANT: Vinayagamorthy, Thuraiayah
; TITLE OF INVENTION: Multi-Loci Genomic Analysis
; FILE REFERENCE: 44747
; CURRENT APPLICATION NUMBER: US/09/165,264
; CURRENT FILING DATE: 1998-10-01
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 7
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-7

Query Match          2.5%; Score 44.8; DB 3; Length 320;
Best Local Similarity 50.0%; Pred. No. 0.014;
Matches 112; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

Qy      7   GGCCGTCAGTGTCTCCCGTGCTTGCCCTCTCAGTTCCCCAGTGCTGCCCTACG 66
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Db      314  GGCATGGCTAGCTCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 255
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |

Qy      67   CACCCCGATGGCGAGCTGCGGCTAGCGGCGCCCCCGGCCCCACCGCGCCCCCGGCCCCC 126
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |
Db      254  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 195
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |

Qy      127  TGGCCGACATGCCGCCCGCGGCTTGGCTTTCCTTTCCTCCGGGACTGCAGCCCATCTA 186
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |
Db      194  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 135
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |

Qy      187  CGGAGAGTGGCGCGCCTTTTACCCTGACCAAGCGAAACCCGCTCC 230
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |
Db      134  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC 91
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RESULT '14
US-09-165-264-14/c
; Sequence 14, Application US/09165264
; Patent No. 6197510
; GENERAL INFORMATION:
; APPLICANT: Vinayagamoorthy, Thuraiayah
; TITLE OF INVENTION: Multi-Loci Genomic Analysis
; FILE REFERENCE: 44747
; CURRENT APPLICATION NUMBER: US/09/165,264
; CURRENT FILING DATE: 1998-10-01
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-14

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	Query Match	2.5%	Score 44.6;	DB 3;	Length 320;
	Best Local Similarity	52.4%;	Prod. NO. 0.016;		
	Matches 98;	Conservative	0;	Mismatches 89;	Indels 0;
				Gaps 0;	
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Qy					
312	GTACATGGCACACCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCC				
Db					
1550	AAGCCCTTGACCCCTAGCTGCGGGGGTTCCCACTCCAGTGCACAAACCCCTTCACCTC				
Qy					




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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090149
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090538
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

Query Match      100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCGCGTGGCCGCTCAGTCTCCCGCTGCTTGGCCCTCTCCAGTTCCTCCCGAGTGCCTGC 60
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Qy 61 CCTAGCCACCCGATGGCGAGCTCGGCTTAGCGCGCGCCCGCCCGCCCGCCCGCC 120
Db 61 CCTAGCCACCCGATGGCGAGCTCGGCTTAGCGCGCGCCCGCCCGCCCGCCCGCC 120

Qy 121 GSCCCCTGCGCAGTCCCGCCCGCTTCGCTTGGCTCTTCCCGCGGAGTGCACGC 180
Db 121 GSCCCCTGCGCAGTCCCGCCCGCTTCGCTTGGCTCTTCCCGCGGAGTGCACGC 180

Qy 181 CATCTACGAGAGTGGCGCGCTTTACCCCTACGACGCGAACCOCGCTCCAGTTCACGC 240
Db 181 CATCTACGAGAGTGGCGCGCTTTACCCCTACGACGCGAACCOCGCTCCAGTTCACGC 240

Qy 241 TATCGTCAAGTACTGGTTGGTGGCCAGACCCCTTGGACTATGTTAGATGTACAGAA 300
Db 241 TATCGTCAAGTACTGGTTGGTGGCCAGACCCCTTGGACTATGTTAGATGTACAGAA 300

Qy 301 TGTGGGAGCCCTTCGCTAACTCCCGAGCACTGGCACTACATCAGCTTCGGGCTGAG 360
Db 301 TGTGGGAGCCCTTCGCTAACTCCCGAGCACTGGCACTACATCAGCTTCGGGCTGAG 360

Qy 361 TGAATCTATGTGTGACACAGAGTCCATGATTTACAGAAACAGATGGACCTAGTGT 420
Db 361 TGAATCTATGTGTGACACAGAGTCCATGATTTACAGAAACAGATGGACCTAGTGT 420

Qy 421 TGGCTTTGATGTGACCTTCGCTGAGAGAGAACTGGGAGTCTGCCCAACCAATG 480
Db 421 TGGCTTTGATGTGACCTTCGCTGAGAGAGAACTGGGAGTCTGCCCAACCAATG 480

Qy 481 GCCCGCAGAGTTAATGACAGGCTTGGCAGGATACGTTTCCAGTCAGAGAAACCTTCG 540
Db 481 GCCCGCAGAGTTAATGACAGGCTTGGCAGGATACGTTTCCAGTCAGAGAAACCTTCG 540

Qy 541 CAGTGGGACCATGTGCTCTGGCAGACGCCCTTTGGATTAACAGTGAATTCAGCA 600
Db 541 CAGTGGGACCATGTGCTCTGGCAGACGCCCTTTGGATTAACAGTGAATTCAGCA 600

Qy 601 CATGCTGCTCAGAGAGACCCAGATGACGCGCTGACAGACACCCCTTTGGGAGTAT 660
Db 601 CATGCTGCTCAGAGAGACCCAGATGACGCGCTGACAGACACCCCTTTGGGAGTAT 660

Qy 661 CTTCTCCAGATCGTTGGTGTCTGCACTGAAGAGCTTACACTCAGCCCGACAGTGGACGG 720
Db 661 CTTCTCCAGATCGTTGGTGTCTGCACTGAAGAGCTTACACTCAGCCCGACAGTGGACGG 720

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Qy 721 GCAGGCGATCCTGGAGCTCTCGGACAGTGCCTATTGTCTGGCGGCCCTGGCTGATAAC 780
Db 721 GCAGGCGATCCTGGAGCTCTCGGACAGTGCCTATTGTCTGGCGGCCCTGGCTGATAAC 780

Qy 781 TGACATCGCGAGGGGAGAGACCATATTTGAGATCGATCCACCTTCCAGAGAGAGTTGA 840
Db 781 TGACATCGCGAGGGGAGAGACCATATTTGAGATCGATCCACCTTCCAGAGAGAGTTGA 840

Qy 841 CAAAGGCATCGAGACAGATGGCTCCAACTGAGTGGTGTGAGTGCCTGGGAGGAG 900
Db 841 CAAAGGCATCGAGACAGATGGCTCCAACTGAGTGGTGTGAGTGCCTGGGAGGAG 900

Qy 901 TGACCTGAGCCGCGCCCGGAGGATGACGAGGACAGCCGAGGACATCTGATCGGCACA 960
Db 901 TGACCTGAGCCGCGCCCGGAGGATGACGAGGACAGCCGAGGACATCTGATCGGCACA 960

Qy 961 GCCCGCGGACTCTCTGGCAAAGACACAGAGAGATCCGGGAGACCTGAGGAGAGACT 1020
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Qy 1021 CGAGATCAACAGCAAACTCTCTCCCACTCAACCTTCAAGCGGACAGAAATGCGCTCGC 1080
Db 1021 CGAGATCAACAGCAAACTCTCTCCCACTCAACCTTCAAGCGGACAGAAATGCGCTCGC 1080

Qy 1081 CCACGACCCGCGCCCGGAGCGCAAGACAGCTTGAAGTGAAGTCCACGCGGCTCAT 1140
Db 1081 CCACGACCCGCGCCCGGAGCGCAAGACAGCTTGAAGTGAAGTCCACGCGGCTCAT 1140

Qy 1141 TCCCATGAGCTGATTTGCGACGCGGAGCTTGAAGAGTACATCTGAAATTTCAACAGGA 1200
Db 1141 TCCCATGAGCTGATTTGCGACGCGGAGCTTGAAGAGTACATCTGAAATTTCAACAGGA 1200

Qy 1201 GTCCGGAGCCCTCATTCCTCTCTGCTTAAAGGGCAGGCTCTCATGAGCGGCACTTTAC 1260
Db 1201 GTCCGGAGCCCTCATTCCTCTCTGCTTAAAGGGCAGGCTCTCATGAGCGGCACTTTAC 1260

Qy 1261 ATATAAAGTATACAGGTGACATGCGCATCAGTTTGTCTCCACGGAGTGAAGCGC 1320
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Qy 1321 CTTTGCCACTGAGGAGCATCTTTACGCGGCTCATGACCCCTGTTTACAACTCTGAACCTA 1380
Db 1321 CTTTGCCACTGAGGAGCATCTTTACGCGGCTCATGACCCCTGTTTACAACTCTGAACCTA 1380

Qy 1381 TCCTCGAGCTCTGCCCTCCGCTCTGGAACGCTTTCTGCCCTGAGGAGGAGGTAGTCA 1440
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Qy 1441 GCATCTCAATTTTACGAGCTCAAGAACCTTGGCCCCCAGAGACTTTCGACAGATGTAC 1500
Db 1441 GCATCTCAATTTTACGAGCTCAAGAACCTTGGCCCCCAGAGACTTTCGACAGATGTAC 1500

Qy 1501 ATTGCCCTCAGTCCCTGAAATGCCCTTGGAGCCCAACCCCAATTCGCCAAGCCCTGAC 1560
Db 1501 ATTGCCCTCAGTCCCTGAAATGCCCTTGGAGCCCAACCCCAATTCGCCAAGCCCTGAC 1560

Qy 1561 CCCCTAGTCCGGGGTTCCTACTCCAGTGGCAGACACCCCTCAGCTCCCTTGGCAGCC 1620
Db 1561 CCCCTAGTCCGGGGTTCCTACTCCAGTGGCAGACACCCCTCAGCTCCCTTGGCAGCC 1620

Qy 1621 CCTCAGGAGCTCAGGCCCCAGCACCCGCTGGTTCCTCCAGCAGATGTTCCCTCCCATGG 1680
Db 1621 CCTCAGGAGCTCAGGCCCCAGCACCCGCTGGTTCCTCCAGCAGATGTTCCCTCCCATGG 1680

Qy 1681 GCTGTGCCAGGGAACCGGGGCGCGGTGGGAACGAGCTGCTGGCTTCGGCATGTTCAA 1740
Db 1681 GCTGTGCCAGGGAACCGGGGCGCGGTGGGAACGAGCTGCTGGCTTCGGCATGTTCAA 1740

Qy 1741 TAAAGTTCTGCTGGGAG 1760
Db 1741 TAAAGTTCTGCTGGGAG 1760

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RESULT 2

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US-10-140-808-5
; Sequence 5, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bersini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C182
; CURRENT APPLICATION NUMBER: US/10/140,808
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-808-5

```

481	Db	GCCGCGAGTAAATGACAGGCTTTGGCACGATACGTGTTCAGTTCAGAGCAACACTTCTG	541
541	Qy	CAGTGGGACCATGTGCTTGGCACAGCCCTTTGATAAACAGTGAGTCAAGAATTCAGCA	600
541	Db	CAGTGGGACCATGTGCTTGGCACAGCCCTTTGATAAACAGTGAGTCAAGAATTCAGCA	600
601	Qy	CATGCTGTGACAGAGGACCCACAGATGACGCCGTGCAGACACCCCTTTGGGGTAGTTAC	660
601	Db	CATGCTGTGACAGAGGACCCACAGATGACGCCGTGCAGACACCCCTTTGGGGTAGTTAC	660
661	Qy	CTTCCTCCAGATCGTTGCTGCTCCACTGAAGAGCTACACTCACCCAGCAGTCGAAACGG	720
661	Db	CTTCCTCCAGATCGTTGCTGCTCCACTGAAGAGCTACACTCACCCAGCAGTCGAAACGG	720
721	Qy	GCAGGGCATCTGAGCTGTCTGGGACAGTGCCCTATTGCTGGGGCCCCCTGGCTGATAAC	780
721	Db	GCAGGGCATCTGAGCTGTCTGGGACAGTGCCCTATTGCTGGGGCCCCCTGGCTGATAAC	780
781	Qy	TGACATCGGAGGGGAGAGACCATATTGTAGATGCGATCCACACTGCACAGAGAGAGTTGA	841
781	Db	TGACATCGGAGGGGAGAGACCATATTGTAGATGCGATCCACACTGCACAGAGAGAGTTGA	841
841	Qy	CAAAAGGCATCGAGACAGATGGCTCCAACTGAGTGGTGTCAGTGCCAAGTGTGCTGGGA	900
841	Db	CAAAAGGCATCGAGACAGATGGCTCCAACTGAGTGGTGTCAGTGCCAAGTGTGCTGGGA	900
901	Qy	TGACTTGAGCCGCCCCCGAGGATGACGAGGACAGCCGAGGATCTGCACTCGGCACACA	960
901	Db	TGACTTGAGCCGCCCCCGAGGATGACGAGGACAGCCGAGGATCTGCACTCGGCACACA	960
961	Qy	GCOCGGCGACTCTCTGGCAAAGACACAGACGACAGTCCCGGAGACCTGAGGAGAGGACT	1020
961	Db	GCOCGGCGACTCTCTGGCAAAGACACAGACGACAGTCCCGGAGACCTGAGGAGAGGACT	1020
1021	Qy	CGAGATCAACAGCAAACTGCTCTCCACAAATCAACCTTCAGGCGCAGAAATGGCTCGC	1080
1021	Db	CGAGATCAACAGCAAACTGCTCTCCACAAATCAACCTTCAGGCGCAGAAATGGCTCGC	1080
1081	Qy	CCACGACCGGGCCCCGAGCGCCAAAGACAGCTTGGAAAGTGACAGTCCACGCGCCATCAT	1140
1081	Db	CCACGACCGGGCCCCGAGCGCCAAAGACAGCTTGGAAAGTGACAGTCCACGCGCCATCAT	1140
1141	Qy	TCCCGCATGAGCTGATTCGACACGGCGAGCTTGAGAGGTTACATCTGAATTCACACAGGA	1200
1141	Db	TCCCGCATGAGCTGATTCGACACGGCGAGCTTGAGAGGTTACATCTGAATTCACACAGGA	1200
1201	Qy	GTCGGAGCCCTCATTCCTCTCTGCCCTAAAGGCGAGGCTCCTGCATGACGGCACTTTAC	1260
1201	Db	GTCGGAGCCCTCATTCCTCTCTGCCCTAAAGGCGAGGCTCCTGCATGACGGCACTTTAC	1260
1261	Qy	ATATAAAGTATCACAGGTGACATGCGCATCAGTTTGTCTCCACGGGAGTGAAGGCGC	1320
1261	Db	ATATAAAGTATCACAGGTGACATGCGCATCAGTTTGTCTCCACGGGAGTGAAGGCGC	1320
1321	Qy	CTTTGCGACTGAGGAGCATCTTTACCGGCTCATGACACCTGGTTACACTCTGAAACCTTA	1380
1321	Db	CTTTGCGACTGAGGAGCATCTTTACCGGCTCATGACACCTGGTTACACTCTGAAACCTTA	1380
1381	Qy	TCTCGGAGCTGCGCTCCGCTCCTGGAAAGCTTTCTTCGCCCTGAGGAGAGGTTAGTCA	1440
1381	Db	TCTCGGAGCTGCGCTCCGCTCCTGGAAAGCTTTCTTCGCCCTGAGGAGAGGTTAGTCA	1440
1441	Qy	GCATCTCCAAATTTTCAGCAGCTCAAGAACTTTGGCCCCCACAAGGACTTCGCAAGTGTAC	1500
1441	Db	GCATCTCCAAATTTTCAGCAGCTCAAGAACTTTGGCCCCCACAAGGACTTCGCAAGTGTAC	1500
1501	Qy	ATTGCCCTCAGTTCCTGAAATGCCCTTCGGAGCCMAACCCCAATTTCCCAAGCCCTGAC	1560
1501	Db	ATTGCCCTCAGTTCCTGAAATGCCCTTCGGAGCCMAACCCCAATTTCCCAAGCCCTGAC	1560
1561	Qy	CCCTAGCTGCGGGGTTTCCCACTCCCAAGTGCCAAACCCCTCACTCCCTCGGCGAGC	1620

Qy	301	TG	GGGAGCCCTTCGCTAAACATCCCGAGCACTGGCACTACATCAGCTTCGGCCTGAG	360
Db	301	TG	GGGAGCCCTTCGCTAAACATCCCGAGCACTGGCACTACATCAGCTTCGGCCTGAG	360
Qy	361	TGATCTCTATG	TGACAAACAGAGTCCATGAGTTTACAGAAACAGATGGACTAGTGGTTT	420
Db	361	TGATCTCTATG	TGACAAACAGAGTCCATGAGTTTACAGAAACAGATGGACTAGTGGTTT	420
Qy	421	TGGCTTTGAGT	TGACCTTTTCTGCTGAAGAGAGAACTGGGAGTCTGCCCCACCAACATG	480
Db	421	TGGCTTTGAGT	TGACCTTTTCTGCTGAAGAGAGAACTGGGAGTCTGCCCCACCAACATG	480
Qy	481	GCCCGCAGATTAA	TGCAGGGCTTGGCACGATACGTTCCAGTTCAGAGAACACCTTCTG	540
Db	481	GCCCGCAGATTAA	TGCAGGGCTTGGCACGATACGTTCCAGTTCAGAGAACACCTTCTG	540
Qy	541	CAGTGGGGACCATG	TGTCCTGGCACAGCCCTTTGGATAACAGTGAAGTCAAGAAATTCAGCA	600
Db	541	CAGTGGGGACCATG	TGTCCTGGCACAGCCCTTTGGATAACAGTGAAGTCAAGAAATTCAGCA	600
Qy	601	CATGCTCTGAC	AGAGACCCACAGATGACAGCCGTCAGACACCTTTGGGTAGTTAC	660
Db	601	CATGCTCTGAC	AGAGACCCACAGATGACAGCCGTCAGACACCTTTGGGTAGTTAC	660
Qy	661	CTTCTCCAGATCG	TGCTGCTGAAGAGCTACACTCAGCCCGACAGTGGAAACGG	720
Db	661	CTTCTCCAGATCG	TGCTGCTGAAGAGCTACACTCAGCCCGACAGTGGAAACGG	720
Qy	721	GCAGGGCATCCT	GGAGCTGTGGGACAGTGCCTATTGTGGGGGCCCTTGGCTGATAAC	780
Db	721	GCAGGGCATCCT	GGAGCTGTGGGACAGTGCCTATTGTGGGGGCCCTTGGCTGATAAC	780
Qy	781	TGACATCGGAGGGG	AGAGACCATATTGTGAGATCGATCCACCTGCAAGAGAGAGTTGA	840
Db	781	TGACATCGGAGGGG	AGAGACCATATTGTGAGATCGATCCACCTGCAAGAGAGAGTTGA	840
Qy	841	CAAAAGGCATCG	AGACAGATGGCTCCAACTCAGTGGTGTGAGTCCCAAGTGTGCCTGGGA	900
Db	841	CAAAAGGCATCG	AGACAGATGGCTCCAACTCAGTGGTGTGAGTCCCAAGTGTGCCTGGGA	900
Qy	901	TGACCTGAGCCGGC	CCCCCGAGGATGACGAGACAGCCGAGCATCTGCATCGGCACACA	960
Db	901	TGACCTGAGCCGGC	CCCCCGAGGATGACGAGACAGCCGAGCATCTGCATCGGCACACA	960
Qy	961	GCCCCGGGACTCT	CTGCGCAAGACACAGACAGATCCGGGAGACCTCTGAGGAGAGGACT	1020
Db	961	GCCCCGGGACTCT	CTGCGCAAGACACAGACAGATCCGGGAGACCTCTGAGGAGAGGACT	1020
Qy	1021	CGAGATCAAC	AGCAAACTGTCCTTCCACCAATCAACCTCAGCGGAGAAATGGCTCGC	1080
Db	1021	CGAGATCAAC	AGCAAACTGTCCTTCCACCAATCAACCTCAGCGGAGAAATGGCTCGC	1080
Qy	1081	CCAAGACCGGGC	CCGCGCCCAAGACAGCTCGAAAGTCAAGCTTCCACGGCCATCAT	1140
Db	1081	CCAAGACCGGGC	CCGCGCCCAAGACAGCTCGAAAGTCAAGCTTCCACGGCCATCAT	1140
Qy	1141	TCCCCATGAGTGA	TTGCGACGGCGAGCTTGAGAGCGTACATCTGAAATTCACACGGA	1200
Db	1141	TCCCCATGAGTGA	TTGCGACGGCGAGCTTGAGAGCGTACATCTGAAATTCACACGGA	1200
Qy	1201	GTCCGGAGCCCT	CATTCTCTCTGCTAAGGGGAGGCTCTGATGAGAGCGCACTTTAC	1260
Db	1201	GTCCGGAGCCCT	CATTCTCTCTGCTAAGGGGAGGCTCTGATGAGAGCGCACTTTAC	1260
Qy	1261	ATATAAAAGTAT	CACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGGAGGGC	1320
Db	1261	ATATAAAAGTAT	CACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGGAGGGC	1320
Qy	1321	CTTTGCCACTG	AGAGCATCTTACCGCGCTCATGGAACCTGGTTACAACTCTGAACCTA	1380
Db	1321	CTTTGCCACTG	AGAGCATCTTACCGCGCTCATGGAACCTGGTTACAACTCTGAACCTA	1380

Qy	1381	TCCTCGGAGCTCTGCCCTCCCGTCTCGAAAGCTGTTTCTGCCCTGAGGAGAGGGTAGTCA	1440
Db	1381	TCCTCGGAGCTCTGCCCTCCCGTCTCGAAAGCTGTTTCTGCCCTGAGGAGAGGGTAGTCA	1440
Qy	1441	GCATCTCCAAATTTTCAGCAGCTCAAGAACCTTGGCCCCCAGAGCAATTCGAGATGTCAC	1500
Db	1441	GCATCTCCAAATTTTCAGCAGCTCAAGAACCTTGGCCCCCAGAGCAATTCGAGATGTCAC	1500
Qy	1501	ATTGCCCTCAGTCCCTCGAATGCCCTTCGGAACCCAAACCCCAATTCGCCCAAGCCCTGCAC	1560
Db	1501	ATTGCCCTCAGTCCCTCGAATGCCCTTCGGAACCCAAACCCCAATTCGCCCAAGCCCTGCAC	1560
Qy	1561	CCCTAGCTGCCGGGTTCCCAATCCAGTGCACAAACCCCTCACCTCCCTCGGCAGCC	1620
Db	1561	CCCTAGCTGCCGGGTTCCCAATCCAGTGCACAAACCCCTCACCTCCCTCGGCAGCC	1620
Qy	1621	CCTCAGGAGCCTGAGGCCAGACACCGCTGGCTCCCCAGACATGGTCCCTCCCATGG	1680
Db	1621	CCTCAGGAGCCTGAGGCCAGACACCGCTGGCTCCCCAGACATGGTCCCTCCCATGG	1680
Qy	1681	GCTGTTGCCAGGGAACCGGGGGCGGTGGGAACGAGCTCTGCGCTCGGCATGTTTCAA	1740
Db	1681	GCTGTTGCCAGGGAACCGGGGGCGGTGGGAACGAGCTCTGCGCTCGGCATGTTTCAA	1740
Qy	1741	TAAAGTTGCTGCTGGGAG	1760
Db	1741	TAAAGTTGCTGCTGGGAG	1760

RESULT 4

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US-10-123-904-5
; Sequence 5, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC54
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-123-904-5

Query Match      100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      1  CCCGTCGCCCGTCAGTGTCTCCCGTCGTTGGCCCTCTCCAGTTCGCCCCAGTGCCTGC 60
Db      1  CCCGTCGCCCGTCAGTGTCTCCCGTCGTTGGCCCTCTCCAGTTCGCCCCAGTGCCTGC 60
QY      61  CCTACGCCACCCCGATGCGGAGTGTGCGGCGTAGCGGCGCCCCCGCGCCCCACGCGCGCCCC 120

```



```
QY 961 GCCCGGAGCTCTCTGGCAAAAGACACAGAGCAGATCGGGAGACCTCTGAGGAGGACT 1020
Db 961 GCCCGGAGCTCTCTGGCAAAAGACACAGAGCAGATCGGGAGACCTCTGAGGAGGACT 1020
QY 1021 CGAGATCAACAGAAACCTGTCTTCCACCAATCAACCTCAGCGGCAAGATGCGCTCGC 1080
Db 1021 CGAGATCAACAGAAACCTGTCTTCCACCAATCAACCTCAGCGGCAAGATGCGCTCGC 1080
QY 1081 CCACGACGGGCGCGAGCGGCAAGAGAGCAGCTGGAAGTGAAGTCAAGCTCCAGCGGCATCAT 1140
Db 1081 CCACGACGGGCGCGAGCGGCAAGAGAGCAGCTGGAAGTGAAGTCAAGCTCCAGCGGCATCAT 1140
QY 1141 TCCCATGAGCTGATTGCGACGCGGAGCTTGGAGAGCGTATCATCTGAAATCAACACGGA 1200
Db 1141 TCCCATGAGCTGATTGCGACGCGGAGCTTGGAGAGCGTATCATCTGAAATCAACACGGA 1200
QY 1201 GTCCGAGGCGCTCATCTCTGCTTAAGGGGAGGCTCTGATGAGACGGCATTTTAC 1260
Db 1201 GTCCGAGGCGCTCATCTCTGCTTAAGGGGAGGCTCTGATGAGACGGCATTTTAC 1260
QY 1261 ATATAAAGATATCACAGGTGACATGCCATCACGTTTGTCTCCAGGGAGTGGAGGGCG 1320
Db 1261 ATATAAAGATATCACAGGTGACATGCCATCACGTTTGTCTCCAGGGAGTGGAGGGCG 1320
QY 1321 CTTTGGCACTGAGGAGCATCTTACGCGGCTCATGACCCCTGGTTACAACTCTGAACCTA 1380
Db 1321 CTTTGGCACTGAGGAGCATCTTACGCGGCTCATGACCCCTGGTTACAACTCTGAACCTA 1380
QY 1381 TCCTCGGAGCTCTGCCCTCCGCTCTGGAAGCTCTTCTGCTCCAGGGAGTGGAGGGTGTCA 1440
Db 1381 TCCTCGGAGCTCTGCCCTCCGCTCTGGAAGCTCTTCTGCTCCAGGGAGTGGAGGGTGTCA 1440
QY 1441 GCATCTCCAAATTTTTCAGCAGCTCAAGACCTTGCGCCCCCAGAGACTTTCGAGATGTAC 1500
Db 1441 GCATCTCCAAATTTTTCAGCAGCTCAAGACCTTGCGCCCCCAGAGACTTTCGAGATGTAC 1500
QY 1501 ATTGCCCTCTAGTCCCTGATGCTTCCAGACCTTCCAGACCTTCCAGACCTTCCAGACCTT 1560
Db 1501 ATTGCCCTCTAGTCCCTGATGCTTCCAGACCTTCCAGACCTTCCAGACCTTCCAGACCTT 1560
QY 1561 CCCCTAGCTGCGGGGTTCCCACTCCAGTCCAGACCTTCCAGACCTTCCAGACCTTCCAGACCT 1620
Db 1561 CCCCTAGCTGCGGGGTTCCCACTCCAGTCCAGACCTTCCAGACCTTCCAGACCTTCCAGACCT 1620
QY 1621 CCTCAGCAGCTGAGGCGGAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680
Db 1621 CCTCAGCAGCTGAGGCGGAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680
QY 1681 GCTGTTGCCAGGGAACCGGGGCGGTTGGGAAACGAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
Db 1681 GCTGTTGCCAGGGAACCGGGGCGGTTGGGAAACGAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
QY 1741 TAAAGTTGCTGTGCTGGAG 1760
Db 1741 TAAAGTTGCTGTGCTGGAG 1760
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RESULT 6

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US-10-175-746-5
; Sequence 5, Application US/10175746
; Publication No. US2003002720A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
```

```
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3303RIC353
; CURRENT APPLICATION NUMBER: US/10/175,746
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-175-746-5

Query Match 100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCTGGCCGCTCAGTGTCTCTCCCGCTGCTTTTGGCCCTCTCCAGTTCGCCAGTGCCTGC 60
Db 1 CCGCTGGCCGCTCAGTGTCTCTCCCGCTGCTTTTGGCCCTCTCCAGTTCGCCAGTGCCTGC 60
QY 61 CTTAGCACCCGATGGGGAGCTGCGGCTAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120
Db 61 CTTAGCACCCGATGGGGAGCTGCGGCTAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120
QY 121 GCGCCCTGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
Db 121 GCGCCCTGGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
QY 181 CATCTACGAGAGTGGCGGCGCTTACCTGACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
Db 181 CATCTACGAGAGTGGCGGCGCTTACCTGACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
QY 241 TATCGTCAAGTACTGGTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
Db 241 TATCGTCAAGTACTGGTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
QY 301 TGTGGGAGCCCTTCTGCTAATCATCCCGAGCATGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
Db 301 TGTGGGAGCCCTTCTGCTAATCATCCCGAGCATGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360
QY 361 TGATCTCTATGTTGATCAACAGAGTCCATGAGTTTACAGGAAACAGATGAGTGTGTTT 420
Db 361 TGATCTCTATGTTGATCAACAGAGTCCATGAGTTTACAGGAAACAGATGAGTGTGTTT 420
QY 421 TGGCTTTGAGTTGACCTTTGCTGCTGAGAGAGAACTGGGAGTCTGCGGCGGCGGCGGCGGCGG 480
Db 421 TGGCTTTGAGTTGACCTTTGCTGCTGAGAGAGAACTGGGAGTCTGCGGCGGCGGCGGCGGCGG 480
QY 481 GCGCGCAGAGTTAATGCGGCGGCTGGCAGCATAGTGTTCAGTACAGAGACAGTCTGTTG 540
Db 481 GCGCGCAGAGTTAATGCGGCGGCTGGCAGCATAGTGTTCAGTACAGAGACAGTCTGTTG 540
QY 541 CAGTGGGAGCATGTTGCTGCTGCGCAGGCGGCTTGGATTAACAGTGTGAGTCAAGATTCAGCA 600
Db 541 CAGTGGGAGCATGTTGCTGCTGCGCAGGCGGCTTGGATTAACAGTGTGAGTCAAGATTCAGCA 600
QY 601 CATGCTGCTGACAGAGGAGCCACAGATGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 660
Db 601 CATGCTGCTGACAGAGGAGCCACAGATGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 660
QY 661 CTTCTCTCAGATCGTTGGTGTCTGCTGCTGAGAGTGTACACTCAGCCCGCAGAGTGTGAAACGG 720
Db 661 CTTCTCTCAGATCGTTGGTGTCTGCTGCTGAGAGTGTACACTCAGCCCGCAGAGTGTGAAACGG 720
QY 721 CGAGGGCATCTCGAGCTGTGCGGAGCATGCTCTTGTGGGCGGCGGCGGCGGCGGCGGCGGCGG 780
Db 721 CGAGGGCATCTCGAGCTGTGCGGAGCATGCTCTTGTGGGCGGCGGCGGCGGCGGCGGCGGCGG 780
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Db 721 GCAGGGGATCTCGAGCTGCTGGGACAGTGGCTATTGCTGGGGGCCCTGGCTGATAC 780
QY 781 TGACATCGGAGGGGAGACCATATTTGAGATCGATCCACACCTGCAAGAGAGATTGA 840
Db 781 TGACATCGGAGGGGAGACCATATTTGAGATCGATCCACACCTGCAAGAGAGATTGA 840
QY 841 CAAAGGATCGACACAGATGGCTCCAACTGAGTGGTGTGATGCAAGTGGCTGGGA 900
Db 841 CAAAGGATCGACACAGATGGCTCCAACTGAGTGGTGTGATGCAAGTGGCTGGGA 900
QY 901 TGACCTGAGCGGGCCCCCGAGGATGACGAGGACAGCCGAGCATCTGATCGGACACA 960
Db 901 TGACCTGAGCGGGCCCCCGAGGATGACGAGGACAGCCGAGCATCTGATCGGACACA 960
QY 961 GCGCGGAGCTCTTGGCAAGACACAGAGAGATCCGGGAGACCTGAGGAGAGACT 1020
Db 961 GCGCGGAGCTCTTGGCAAGACACAGAGAGATCCGGGAGACCTGAGGAGAGACT 1020
QY 1021 CGAGATCAACAGCAACCTGCTCTCCACCAATCAACCTCAGCGGCAAGTGGCTCGC 1080
Db 1021 CGAGATCAACAGCAACCTGCTCTCCACCAATCAACCTCAGCGGCAAGTGGCTCGC 1080
QY 1081 CCACGACCGGGCCCCGAGCGCAAGACAGCCTGGAAAGTGACAGCTCCACGGCCATCAT 1140
Db 1081 CCACGACCGGGCCCCGAGCGCAAGACAGCCTGGAAAGTGACAGCTCCACGGCCATCAT 1140
QY 1141 TCCCAATGAGCTGATTCGACAGCGGAGCTTGAGACGCTACATCTGAATTCACAGGA 1200
Db 1141 TCCCAATGAGCTGATTCGACAGCGGAGCTTGAGACGCTACATCTGAATTCACAGGA 1200
QY 1201 GTCGAGGAGCTCATTCCTCTCTGCTTAAGGGGAGGCTCTGCTGATGGAGCGCACTTAC 1260
Db 1201 GTCGAGGAGCTCATTCCTCTCTGCTTAAGGGGAGGCTCTGCTGATGGAGCGCACTTAC 1260
QY 1261 ATATAAGATACAGAGTGACATGCCATCATGCTTGTCTCCAGGGAGTGGAAGGCGC 1320
Db 1261 ATATAAGATACAGAGTGACATGCCATCATGCTTGTCTCCAGGGAGTGGAAGGCGC 1320
QY 1321 CTTTGGCACTGAGGAGCTCTTACCGGCTCATGACCTCGTACCTGGTACACTCTGAACCTA 1380
Db 1321 CTTTGGCACTGAGGAGCTCTTACCGGCTCATGACCTCGTACCTGGTACACTCTGAACCTA 1380
QY 1381 TCCTCGGAGCTGCTGCTCCCTCCGCTCTGGAACGCTTCTTCTGCTGAGGAGAGGAGTCA 1440
Db 1381 TCCTCGGAGCTGCTGCTCCCTCCGCTCTGGAACGCTTCTTCTGCTGAGGAGAGGAGTCA 1440
QY 1441 GCATCTCCAAATTTACAGAGCTCAAGACCTTGGCCCCCAGAGGACTTCGAGATGTAC 1500
Db 1441 GCATCTCCAAATTTACAGAGCTCAAGACCTTGGCCCCCAGAGGACTTCGAGATGTAC 1500
QY 1501 ATTGCCCCCTCAGTCCCTGAAATGCCCTTCGGACCCCAACCCCAATTCGCCAAGCCCTGAC 1560
Db 1501 ATTGCCCCCTCAGTCCCTGAAATGCCCTTCGGACCCCAACCCCAATTCGCCAAGCCCTGAC 1560
QY 1561 CCCTAGCTGCGGGGTTCCACTCCAGTGCCACAAACCCCTCAGCTCCCTGGGAGCC 1620
Db 1561 CCCTAGCTGCGGGGTTCCACTCCAGTGCCACAAACCCCTCAGCTCCCTGGGAGCC 1620
QY 1621 CCTCAGGAGCTGAGGCCAGCACCGCTGGCTCCCGAGCACATGCTCCCTCCCATGG 1680
Db 1621 CCTCAGGAGCTGAGGCCAGCACCGCTGGCTCCCGAGCACATGCTCCCTCCCATGG 1680
QY 1681 GCTGTTGCCAGGAAACCGGGGCGGTTGGGAAACGAGCTGCTGGCTCGGCATGTTTCAA 1740
Db 1681 GCTGTTGCCAGGAAACCGGGGCGGTTGGGAAACGAGCTGCTGGCTCGGCATGTTTCAA 1740
QY 1741 TAAAGTGTGCTGGAG 1760
Db 1741 TAAAGTGTGCTGGAG 1760

RESULT 7

US-10-176-918-5

; Sequence 5, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C382
; CURRENT APPLICATION NUMBER: US/10/176,918
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-918-5

Query Match 100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCGCTGCGCCCGTCAGTGTCTCCCGCTCGCTTTCGCTTCCCTCCAGTTCCTCCAGTGCCTGC 60
Db 1 CCGCTGCGCCCGTCAGTGTCTCTCCCGCTCGCTTTCGCTTCCCTCCAGTTCCTCCAGTGCCTGC 60
QY 61 CCTACGACCCCGGATGGGGAGCTGCGGCTAGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 120
Db 61 CCTACGACCCCGGATGGGGAGCTGCGGCTAGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 120
QY 121 GGCCCTTGGCCGACTGCCCCCGGCTTTCGCTTTCGCTTTCGCTTTCGCTTTCGCTTTCGCTTTCG 180
Db 121 GGCCCTTGGCCGACTGCCCCCGGCTTTCGCTTTCGCTTTCGCTTTCGCTTTCGCTTTCGCTTTCG 180
QY 181 CATCTACGAGAGTGCCTGCTTACCTGACCGAGCGAAACCCGCTCCAGGTTACCGC 240
Db 181 CATCTACGAGAGTGCCTGCTTACCTGACCGAGCGAAACCCGCTCCAGGTTACCGC 240
QY 241 TATCGTCAAGTACTGGTGGTGGCGCCAGACCCCTTGGACTATGTTAGCATGTACAGAA 300
Db 241 TATCGTCAAGTACTGGTGGTGGCGCCAGACCCCTTGGACTATGTTAGCATGTACAGAA 300
QY 301 TGTGGGAGCCCTTCTGCTAACATCCCGGAGCACTGGCCTACATCAGCTTCGGCTGAG 360
Db 301 TGTGGGAGCCCTTCTGCTAACATCCCGGAGCACTGGCCTACATCAGCTTCGGCTGAG 360
QY 361 TGATCTCTATGGTGACAAACAGAGTCCATGATTTACAGGAACAGATGGAACCTAGTGGTTT 420
Db 361 TGATCTCTATGGTGACAAACAGAGTCCATGATTTACAGGAACAGATGGAACCTAGTGGTTT 420
QY 421 TGGCTTTGAGTTGACCTTTCTGCTGAAGAGAGAACTGGGAGTCTGCCACCAACATG 480
Db 421 TGGCTTTGAGTTGACCTTTCTGCTGAAGAGAGAACTGGGAGTCTGCCACCAACATG 480
QY 481 GCCCGCAGAGTTAATGAGGGCTTGGCAACGATACGTTTCCAGTCAGAGAACACTTCTGTG 540
Db 481 GCCCGCAGAGTTAATGAGGGCTTGGCAACGATACGTTTCCAGTCAGAGAACACTTCTGTG 540

541 CAGTGGGACCAATGTCTCTGACAGAGCCCTTTGGATAACAGTGTAGTCAAGAATTACGCA 600
Db
541 CAGTGGGACCAATGTCTCTGACAGAGCCCTTTGGATAACAGTGTAGTCAAGAATTACGCA 600
Qy
601 CATGTGCTGACAGAGGACCCACAGATCAGAGCCCTGAGACACCCCTTTGGGGTAGTTAC 660
Db
601 CATGTGCTGACAGAGGACCCACAGATCAGAGCCCTGAGACACCCCTTTGGGGTAGTTAC 660
Qy
661 CTTCTCCAGATCGTTGTGTCTGACATGAAGAGTACACTCAGCCACAGAGTGAACGG 720
Db
661 CTTCTCCAGATCGTTGTGTCTGACATGAAGAGTACACTCAGCCACAGAGTGAACGG 720
Qy
721 GCAGGACATCTGGAGCTGCTGGGACAGTGTCTATTGCTGGGCGCCCTGCTGTATAC 780
Db
721 GCAGGACATCTGGAGCTGCTGGGACAGTGTCTATTGCTGGGCGCCCTGCTGTATAC 780
Qy
781 TCACATGCGGAGGGAGACCATATTTGAGATCGATCCACCTGCAAGAGAGTGA 840
Db
781 TCACATGCGGAGGGAGACCATATTTGAGATCGATCCACCTGCAAGAGAGTGA 840
Qy
841 CAAAGCATCGAGACAGATGGTCCAACTGAGTGTGAGTGCCTGAGTGTGCTGGGA 900
Db
841 CAAAGCATCGAGACAGATGGTCCAACTGAGTGTGAGTGCCTGAGTGTGCTGGGA 900
Qy
901 TGACCTGAGCGGCGCCCGGAGATGAGAGACAGCGGAGCATCTGCATCGGCACACA 960
Db
901 TGACCTGAGCGGCGCCCGGAGATGAGAGACAGCGGAGCATCTGCATCGGCACACA 960
Qy
961 GCCCGGCGACTCTCTGGCAAGACACAGAGCAGATCCGGGAGACCTTGGAGAGGACT 1020
Db
961 GCCCGGCGACTCTCTGGCAAGACACAGAGCAGATCCGGGAGACCTTGGAGAGGACT 1020
Qy
1021 CGAGATCAACAGAACCTGTCTTCCACCAATCAACCTCAGCGGAGAGTGCCTGCG 1080
Db
1021 CGAGATCAACAGAACCTGTCTTCCACCAATCAACCTCAGCGGAGAGTGCCTGCG 1080
Qy
1081 CCACGACCGGCGCCCGGAGCGCAAGACAGCTGGAAGTACAGCTCCACGGCCATCAT 1140
Db
1081 CCACGACCGGCGCCCGGAGCGCAAGACAGCTGGAAGTACAGCTCCACGGCCATCAT 1140
Qy
1141 TCCCATGAGCTGATTCGACCGGCGAGCTTGAGAGCGTACATCTGAAATTCACACGGA 1200
Db
1141 TCCCATGAGCTGATTCGACCGGCGAGCTTGAGAGCGTACATCTGAAATTCACACGGA 1200
Qy
1201 GTCCGAGCGCTCATCTCTCTGCTTAAGGGGAGGCTCTGATGACGCGACTTTAC 1260
Db
1201 GTCCGAGCGCTCATCTCTCTGCTTAAGGGGAGGCTCTGATGACGCGACTTTAC 1260
Qy
1261 ATATAAAGTATCAGAGTACATGGCCATACAGCTTTGTTCCAGGGAGTGAAGGCG 1320
Db
1261 ATATAAAGTATCAGAGTACATGGCCATACAGCTTTGTTCCAGGGAGTGAAGGCG 1320
Qy
1321 CTTTCCACTGAGGAGCATCTTACGCGCTCATGACCCCTGTTTACACTCTGAACCTA 1380
Db
1321 CTTTCCACTGAGGAGCATCTTACGCGCTCATGACCCCTGTTTACACTCTGAACCTA 1380
Qy
1381 TCCTCGGAGCTGCGCTCTCTGAAACGCTTTTCTGCTGAGGAGGAGTGA 1440
Db
1381 TCCTCGGAGCTGCGCTCTCTGAAACGCTTTTCTGCTGAGGAGGAGTGA 1440
Qy
1441 GCATCTCMAATTTTACAGAGCTCAAGAACCTTTGGGCGCCACAGAGCTTCGAGATGTCAC 1500
Db
1441 GCATCTCMAATTTTACAGAGCTCAAGAACCTTTGGGCGCCACAGAGCTTCGAGATGTCAC 1500
Qy
1501 ATTGCGCTCAGTCCCTGAAATGCTTGGAGACCAACCCCAATTCGCCAAGCCCTGAC 1560
Db
1501 ATTGCGCTCAGTCCCTGAAATGCTTGGAGACCAACCCCAATTCGCCAAGCCCTGAC 1560
Qy
1561 CCCCTAGTGCAGGCGTTCCCACTCCAGTGCCACAAACCCCTCAGCTCCCTGCGAGCC 1620
Db
1561 CCCCTAGTGCAGGCGTTCCCACTCCAGTGCCACAAACCCCTCAGCTCCCTGCGAGCC 1620
Qy
1621 CCTCAGGAGCGCTGAGGCGCCAGCACCCGCTGCTCCCGAGCACATGCTGCCCTCCCATGG 1680

1621 CCTCAGGAGCGCTGAGGCGCCAGCACCCGCTGCTGCCAGCACATGCTCCCTCCCATGG 1680
Qy
1681 GCTGTTGCCAGAGAACCGGGGCGGTGGGAACAGAGCTGCTGGCTCGGCATGTTCAA 1740
Db
1681 GCTGTTGCCAGAGAACCGGGGCGGTGGGAACAGAGCTGCTGGCTCGGCATGTTCAA 1740
Qy
1741 TAAAGTTGCTGCTGGAG 1760
Db
1741 TAAAGTTGCTGCTGGAG 1760

RESULT 8
US-10-176-921-5
; Sequence 5, Application US/10176921
; Publication No. US20030027276A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C288
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-921-5

Query Match 100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCGCTGGCGCGTCACTGCTCCCGCTGCTTGGCTCTCCAGTTCGCCAGTGGCTGC 60
Db 1 CCGCTGGCGCGTCACTGCTCCCGCTGCTTGGCTCTCCAGTTCGCCAGTGGCTGC 60
Qy 61 CTTACCCACCCGATGGCGAGTGGCGCTAGCGCGCCCGCGGCCCGCCCGGCC 120
Db 61 CTTACCCACCCGATGGCGAGTGGCGCTAGCGCGCCCGCGGCCCGCCCGGCC 120
Qy 121 GCGCCCTGCGGAGTGGCGCCCGCGCCCTTCAGCTTCCCTGCTTCCCGGGAGTCCAGC 180
Db 121 GCGCCCTGCGGAGTGGCGCCCGCGCCCTTCAGCTTCCCTGCTTCCCGGGAGTCCAGC 180
Qy 181 CATCTACGAGAGTGGCGCGCTTTTACCTGACGAGCGAACCCTCCAGTTACCGC 240
Db 181 CATCTACGAGAGTGGCGCGCTTTTACCTGACGAGCGAACCCTCCAGTTACCGC 240
Qy 241 TATCGTCAAGTACTGTTGGTGGCGCCAGACCCCTTGGACTATGTAGCATGTACAGGA 300
Db 241 TATCGTCAAGTACTGTTGGTGGCGCCAGACCCCTTGGACTATGTAGCATGTACAGGA 300
Qy 301 TGTGGGAGCCCTTCTGCTAAACATCCCGAGCACTGAGCATCATGCTCGGCTGAG 360

Db 301 TGTGGGAGCCCTTCTGTAAACATCCCGAGCACTGGCACTACATCAGCTTTGGCCCTGAG 360
Qy 361 TGATCTCTATGTGTGCAACACAGAGTCCATGAGTTTACAGGAACAGATGACCTAGTGGTTT 420
Db 361 TGATCTCTATGTGTGCAACACAGAGTCCATGAGTTTACAGGAACAGATGACCTAGTGGTTT 420
Qy 421 TGGCTTTGAGTTGACCTTTCTGTCTGAAGAGAGAACTGGGGAGTCTGCCCAACCAATG 480
Db 421 TGGCTTTGAGTTGACCTTTCTGTCTGAAGAGAGAACTGGGGAGTCTGCCCAACCAATG 480
Qy 481 GCCCGCAGAGTTAATGCAAGGCTTGGCAGTACGTGTTCACGTGAGAGAACACCTTCTG 540
Db 481 GCCCGCAGAGTTAATGCAAGGCTTGGCAGTACGTGTTCACGTGAGAGAACACCTTCTG 540
Qy 541 CAGTGGGACCAATGTCTGTGCAAGCCCTTTGGATAACAGTGTGAGTCAAGAAATTCAGCA 600
Db 541 CAGTGGGACCAATGTCTGTGCAAGCCCTTTGGATAACAGTGTGAGTCAAGAAATTCAGCA 600
Qy 601 CATGTGCTGACAGAGGACCCACAGATGACGCCCTGTGACACACCTTTGGGGTAGTTAC 660
Db 601 CATGTGCTGACAGAGGACCCACAGATGACGCCCTGTGACACACCTTTGGGGTAGTTAC 660
Qy 661 CTTCTCCAGATCGTTGGTGTCTGCACTGAAGAGCTACACTCAGCCAGCAGTGAACGG 720
Db 661 CTTCTCCAGATCGTTGGTGTCTGCACTGAAGAGCTACACTCAGCCAGCAGTGAACGG 720
Qy 721 GCAGGACATCTGGAGCTCTGCGACAGTGCCTATTGCTGGCGCCCTGCTGCTGATAAC 780
Db 721 GCAGGACATCTGGAGCTCTGCGACAGTGCCTATTGCTGGCGCCCTGCTGCTGATAAC 780
Qy 781 TGACATCGGAGGAGAGACCATATTGAGATCGATCCACCTGCAAGAGAGAGTTGA 840
Db 781 TGACATCGGAGGAGAGACCATATTGAGATCGATCCACCTGCAAGAGAGAGTTGA 840
Qy 841 CAAAGCATCGACAGACATGGTCTCAACCTGAGTGGTTCAGTGCACAGTGTGCTGGGA 900
Db 841 CAAAGCATCGACAGACATGGTCTCAACCTGAGTGGTTCAGTGCACAGTGTGCTGGGA 900
Qy 901 TGACCTGAGCGCGCCCGAGAGTACGAGACAGCGGAGCATCTGCATCGGCACACA 960
Db 901 TGACCTGAGCGCGCCCGAGAGTACGAGACAGCGGAGCATCTGCATCGGCACACA 960
Qy 961 GCCCGCGGACTCTTGGCAAAAGACACAGAGCAGATCCGGGAGACCTTGAGGAGGACT 1020
Db 961 GCCCGCGGACTCTTGGCAAAAGACACAGAGCAGATCCGGGAGACCTTGAGGAGGACT 1020
Qy 1021 CGAGATCAACAGAAACCTGTCTTCCACCAATCAACCTCAGCGCAGAAATGGCTCGC 1080
Db 1021 CGAGATCAACAGAAACCTGTCTTCCACCAATCAACCTCAGCGCAGAAATGGCTCGC 1080
Qy 1081 CCACGACCGGCGCCCGAGCGCAAGACAGCCTGGAAGTGACAGTCCACGGCCATCAT 1140
Db 1081 CCACGACCGGCGCCCGAGCGCAAGACAGCCTGGAAGTGACAGTCCACGGCCATCAT 1140
Qy 1141 TCCCATGAGTGAATTCGACGCGGAGCTTGAGAGCGTACATCTGAATTCACACAGA 1200
Db 1141 TCCCATGAGTGAATTCGACGCGGAGCTTGAGAGCGTACATCTGAATTCACACAGA 1200
Qy 1201 GTCCGAGCGCTCATCTCTGCTTAAAGGCGAGCTTCCGTCATGAGCGCACTTTAC 1260
Db 1201 GTCCGAGCGCTCATCTCTGCTTAAAGGCGAGCTTCCGTCATGAGCGCACTTTAC 1260
Qy 1261 ATATAAAGTATCACAGGTGACATGCCCATCATCGTTTGTCTCCACGGGAGTGAAGCGC 1320
Db 1261 ATATAAAGTATCACAGGTGACATGCCCATCATCGTTTGTCTCCACGGGAGTGAAGCGC 1320
Qy 1321 CTTTGCACCTGAGGAGATCTTACGCGGCTCATGACCTCGTTTACACTCTGAACCTA 1380
Db 1321 CTTTGCACCTGAGGAGATCTTACGCGGCTCATGACCTCGTTTACACTCTGAACCTA 1380
Qy 1381 TCTCCGAGCTCTGCGCTCTCCCGTCTGGAACGCTCTTCTGCTGAGGAGAGGAGTGA 1440
Db 1381 TCTCCGAGCTCTGCGCTCTCCCGTCTGGAACGCTCTTCTGCTGAGGAGAGGAGTGA 1440

RESULT 9

US-10-137-865-5
; Sequence 5, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C154
CURRENT APPLICATION NUMBER: US/10/137,865
CURRENT FILING DATE: 2002-05-03
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 5
LENGTH: 1760
TYPE: DNA
ORGANISM: Homo Sapien
US-10-137-865-5

Query Match 100.0%; Score 1760; DB 14; Length 1760;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCGCTGGCCGCTCAGTGTCTCCCGCTCGTTTGGCTCTCCAGTTCCCGAGTTCGCCAGTGTGC 60
Db 1 CCGCTGGCCGCTCAGTGTCTCCCGCTCGTTTGGCTCTCCAGTTCGCCAGTGTGC 60
Qy 61 CCTACGACCCCGATGCGGAGTGTGGCGCCCCCGGCCCAACCGCGCCCC 120
Db 61 CCTACGACCCCGATGCGGAGTGTGGCGCCCCCGGCCCAACCGCGCCCC 120

APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333031C251
CURRENT APPLICATION NUMBER: US/10/142,431
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 5
LENGTH: 1760
TYPE: DNA
ORGANISM: Homo Sapien
US-10-142-431-5

Query Match 100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGTGGCCCGTCAGTGTCTCTCCCGTGGTTTGGCCCTCTCCAGTTCGCCCGAGTGCCTGC 60
DB 1 CCGCGTGGCCCGTCAGTGTCTCTCCCGTGGTTTGGCCCTCTCCAGTTCGCCCGAGTGCCTGC 60
QY 61 CTTAGCAGCCCGATGGCGAGCTGGCGCTAGCGGCGCCCGCCCGCCCGCCCGCCCGCC 120
DB 61 CTTAGCAGCCCGATGGCGAGCTGGCGCTAGCGGCGCCCGCCCGCCCGCCCGCCCGCC 120
QY 121 GCGCCCTGGCCGACTGCCCCCGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGG 180
DB 121 GCGCCCTGGCCGACTGCCCCCGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGG 180
QY 181 CATCTACGAGAGTGGCGCGCTTTTACCTGACAGCGCGAACCCGCTTCAGGTTACCGC 240
DB 181 CATCTACGAGAGTGGCGCGCTTTTACCTGACAGCGCGAACCCGCTTCAGGTTACCGC 240
QY 241 TATCGTCAAGTACTGGTTGGTGGCCAGACCCCTTGGACTATGTTAGCATGTACAGAA 300
DB 241 TATCGTCAAGTACTGGTTGGTGGCCAGACCCCTTGGACTATGTTAGCATGTACAGAA 300
QY 301 TGTGGGAGCCCTTCTGTAACATCCCGAGCACTGGCACTACATCACTTGGCCCTGAG 360
DB 301 TGTGGGAGCCCTTCTGTAACATCCCGAGCACTGGCACTACATCACTTGGCCCTGAG 360
QY 361 TGATCTTATGTGACAGAGTCCATGAGTTTACAGAGACAGTGGACCTAGTGGTT 420
DB 361 TGATCTTATGTGACAGAGTCCATGAGTTTACAGAGACAGTGGACCTAGTGGTT 420
QY 421 TGGCTTTGAGTTGACCTTTCGTCTGAAGAGAGAACTGGGAGTCTGCCCAACCAATG 480
DB 421 TGGCTTTGAGTTGACCTTTCGTCTGAAGAGAGAACTGGGAGTCTGCCCAACCAATG 480
QY 481 GCGCGAGAGTTAATGCGAGCTTGGGACGATAGTGTTCAGTTCAGAGAACCTTCTG 540
DB 481 GCGCGAGAGTTAATGCGAGCTTGGGACGATAGTGTTCAGTTCAGAGAACCTTCTG 540
QY 541 CAGTGGGAGCACTGTCTCTGACAGCCCTTGGATAACAGTGGATCAAGAAATTCAGCA 600
DB 541 CAGTGGGAGCACTGTCTCTGACAGCCCTTGGATAACAGTGGATCAAGAAATTCAGCA 600
QY 601 CATGCTGTGACAGAGGACCCACAGATGACCGCGTGCAGACACCTTTGGGGTAGTTAC 660
DB 601 CATGCTGTGACAGAGGACCCACAGATGACCGCGTGCAGACACCTTTGGGGTAGTTAC 660
QY 661 CTTCTCCAGATCGTTGGTGTCTGCTGACAGAGCTACCTCAGCCAGAGTGAACCG 720
DB 661 CTTCTCCAGATCGTTGGTGTCTGCTGACAGAGCTACCTCAGCCAGAGTGAACCG 720
QY 721 GCAGGCACTCTGGAGCTCTCGGACAGTCCCTATTGCTGGCGCCCTGGCTGATAAC 780
DB 721 GCAGGCACTCTGGAGCTCTCGGACAGTCCCTATTGCTGGCGCCCTGGCTGATAAC 780
QY 781 TGACATCGGAGGGGAGAGACCATATTTGAGATCGATCCACCTGCAAGAGAGAGTTGA 840

RESULT 12
US-10-143-114-5
; Sequence 5, Application US/10143114
; Publication No. US20030036180A1
; GENERAL INFORMATION:

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; CURRENT APPLICATION NUMBER: US/10/143,114
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-143-114-5

Query Match      100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCGTGGCCGTCAGTGTCTCCCGTGTGCTTGGCCCTCTCCAGTTTCCCGAGTGCTGCG 60
DB 1 CCGCGTGGCCGTCAGTGTCTCCCGTGTGCTTGGCCCTCTCCAGTTTCCCGAGTGCTGCG 60

QY 61 CCTACGACCCCGATGGCGAGCTGCGGCTAGCGCGCCCGCGGCCCGCCCGCCCGCC 120
DB 61 CCTACGACCCCGATGGCGAGCTGCGGCTAGCGCGCCCGCGGCCCGCCCGCCCGCC 120

QY 121 GGCCCTGGCCGACTGCCCCCGCCCTTACCGCTGACCGCGCAACCCGCTCCAGGTTACCGC 240
DB 121 GGCCCTGGCCGACTGCCCCCGCCCTTACCGCTGACCGCGCAACCCGCTCCAGGTTACCGC 240

QY 181 CATCTACGAGAGTGGCGGCTTTACCGCTGACCGCGCAACCCGCTCCAGGTTACCGC 240
DB 181 CATCTACGAGAGTGGCGGCTTTACCGCTGACCGCGCAACCCGCTCCAGGTTACCGC 240

QY 241 TATCGTCAAGTACTGGTGGTGGCCCGAGACCCCTTGGACTATGTTAGCATGTACAGGAA 300
DB 241 TATCGTCAAGTACTGGTGGTGGCCCGAGACCCCTTGGACTATGTTAGCATGTACAGGAA 300

QY 301 TGTGGGAGCCCTTGTCTAACTCCCGAGACACTGGGCTACATGAGCTTGGGCTGAG 360
DB 301 TGTGGGAGCCCTTGTCTAACTCCCGAGACACTGGGCTACATGAGCTTGGGCTGAG 360

QY 361 TGATCTCTATGTGTGACACAGAGTCCATGAGTTTACAGGAAACAGATGGACCTAGTGT 420
DB 361 TGATCTCTATGTGTGACACAGAGTCCATGAGTTTACAGGAAACAGATGGACCTAGTGT 420

QY 421 TGGCTTTGAGTTGACCTTTGCTGTGAAGAGAGAACTGGGGAGTCTGCCCAACCATG 480
DB 421 TGGCTTTGAGTTGACCTTTGCTGTGAAGAGAGAACTGGGGAGTCTGCCCAACCATG 480

QY 481 GCGCGCAGAGTTAATCGAGGCTTGGCAGATACGTTTCCAGTCAGAGAACCTTCTG 540
DB 481 GCGCGCAGAGTTAATCGAGGCTTGGCAGATACGTTTCCAGTCAGAGAACCTTCTG 540

QY 541 CAGTGGGAGCCATGTGTCTCTGGCAGACGCTTTGGATAACAGTGTCAAGAAATTCAGCA 600
DB 541 CAGTGGGAGCCATGTGTCTCTGGCAGACGCTTTGGATAACAGTGTCAAGAAATTCAGCA 600
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QY 601 CATGCTGCTGACAGAGACCCACAGATGCGAGCCGTGTCAGACACCCCTTTGGGGTAGTTAC 660
DB 601 CATGCTGCTGACAGAGACCCACAGATGCGAGCCGTGTCAGACACCCCTTTGGGGTAGTTAC 660

QY 661 CTTTCTCCAGATCGTTGGTGTCTGCTGCTGAAGACTACACTCAGCCAGCAGTGTGAACGG 720
DB 661 CTTTCTCCAGATCGTTGGTGTCTGCTGCTGAAGACTACACTCAGCCAGCAGTGTGAACGG 720

QY 721 GCAGGGCATCTGGAGTGTCTGCGGACAGTGCTCTATTGCTGGCGGGCCCTTGGCTGATAAC 780
DB 721 GCAGGGCATCTGGAGTGTCTGCGGACAGTGCTCTATTGCTGGCGGGCCCTTGGCTGATAAC 780

QY 781 TGACATGCGGAGGGGAGAGACCATATTGAGATCGATCCACACCTGCAAGAGAGATTGA 840
DB 781 TGACATGCGGAGGGGAGAGACCATATTGAGATCGATCCACACCTGCAAGAGAGATTGA 840

QY 841 CAAGGACATCCAGACAGATGCTCCAACTGAGTGGTGTGAGTGCCTCAAGTGTGCTCGGA 900
DB 841 CAAGGACATCCAGACAGATGCTCCAACTGAGTGGTGTGAGTGCCTCAAGTGTGCTCGGA 900

QY 901 TGACCTGAGCCGCGCCCGCGAGGATGACGAGGACAGCGGAGCATCTGCAATCGGCACACA 960
DB 901 TGACCTGAGCCGCGCCCGCGAGGATGACGAGGACAGCGGAGCATCTGCAATCGGCACACA 960

QY 961 GCGCGGCGACTCTCTGGCAAGACACAGACACATCGGGAGACCCCTGAGGAGAGACT 1020
DB 961 GCGCGGCGACTCTCTGGCAAGACACAGACACATCGGGAGACCCCTGAGGAGAGACT 1020

QY 1021 CGAGATCAACAGCAAACTGTCTTCCCAACCAATCAACCTCAGCGGACAGATGCGCTCGC 1080
DB 1021 CGAGATCAACAGCAAACTGTCTTCCCAACCAATCAACCTCAGCGGACAGATGCGCTCGC 1080

QY 1081 CCAGACCGGCGCCGAGCGCAAGACAGCCTGGAAGTGAAGCTCCAGCGGCATCAT 1140
DB 1081 CCAGACCGGCGCCGAGCGCAAGACAGCCTGGAAGTGAAGCTCCAGCGGCATCAT 1140

QY 1141 TCCCATGAGCTGATTGCGACGCGGCGACTTGAGAGGCTATCTGAAATTCACACAGGA 1200
DB 1141 TCCCATGAGCTGATTGCGACGCGGCGACTTGAGAGGCTATCTGAAATTCACACAGGA 1200

QY 1201 GTCCGAGGCTCTGCTCTCTGCTTAAAGGGGAGGCTCTGTCATGAGAGGCACTTTAC 1260
DB 1201 GTCCGAGGCTCTGCTCTCTGCTTAAAGGGGAGGCTCTGTCATGAGAGGCACTTTAC 1260

QY 1261 ATATAAAGTATCACAGTGCATGCGCATCACGTTGTCTCCACGGGAGTGGAGGCGC 1320
DB 1261 ATATAAAGTATCACAGTGCATGCGCATCACGTTGTCTCCACGGGAGTGGAGGCGC 1320

QY 1321 CTTTGGCCACTGAGAGGATCCTTACGCGGCTCATGGACCCCTGGTTACAACCTCTGAACTA 1380
DB 1321 CTTTGGCCACTGAGAGGATCCTTACGCGGCTCATGGACCCCTGGTTACAACCTCTGAACTA 1380

QY 1381 TCCTCGGAGCTCTGCCCTCCGTCCTGGAAGCTTTTCTGCGCTGAGAGAGGGTAGTCA 1440
DB 1381 TCCTCGGAGCTCTGCCCTCCGTCCTGGAAGCTTTTCTGCGCTGAGAGAGGGTAGTCA 1440

QY 1441 GCATCTCCAAATTTTTCAGCAGCTCAAGAACTTGGCCCCCAGCAGGACTTCGACATGTAC 1500
DB 1441 GCATCTCCAAATTTTTCAGCAGCTCAAGAACTTGGCCCCCAGCAGGACTTCGACATGTAC 1500

QY 1501 ATTGCCCTCAGTCCCTGAAATGCCCTTCGGAACCAACCCCAATTCGCCAAGCCCTTGAC 1560
DB 1501 ATTGCCCTCAGTCCCTGAAATGCCCTTCGGAACCAACCCCAATTCGCCAAGCCCTTGAC 1560

QY 1561 CCCCTAGTCCCGGGTTCCCACTCCAGTGCACACACCCCTCCCTCAGCTCCCTGGCAGCC 1620
DB 1561 CCCCTAGTCCCGGGTTCCCACTCCAGTGCACACACCCCTCCCTCAGCTCCCTGGCAGCC 1620

QY 1621 CCTCAGGAGCCTGAGGCCCGCAGCACCGCTGGCTCCCGCAGCACATGTGCCCTCCCATGG 1680
DB 1621 CCTCAGGAGCCTGAGGCCCGCAGCACCGCTGGCTCCCGCAGCACATGTGCCCTCCCATGG 1680
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QY 1501 ATTGCCCTCAGTCCCTGAAATCCCTTCGGACCCCAACCCCAATTCGCCAAGCCCTGAC 1560
Db 1501 ATTGCCCTCAGTCCCTGAAATCCCTTCGGACCCCAACCCCAATTCGCCAAGCCCTGAC 1560
QY 1561 CCCTAGCTGCCGGGTTCCCACTCCAGTGCACAAACCCCTCACCTCCCTTGGCAGCC 1620
Db 1561 CCCTAGCTGCCGGGTTCCCACTCCAGTGCACAAACCCCTCACCTCCCTTGGCAGCC 1620
QY 1621 CCTCAGGAGCCCTGAGGCCCCAGACCCGGTGGCTCCCCAGCACATGGTCCCTCCCATGG 1680
Db 1621 CCTCAGGAGCCCTGAGGCCCCAGACCCGGTGGCTCCCCAGCACATGGTCCCTCCCATGG 1680
QY 1681 GCTGTGTCAGGAACCGGGCGCGTGGGAACGAGCTGCTGGCCCTCGGCATGTTTCAA 1740
Db 1681 GCTGTGTCAGGAACCGGGCGCGTGGGAACGAGCTGCTGGCCCTCGGCATGTTTCAA 1740
QY 1741 TAAAGTTGCTGTCTGGGAG 1760
Db 1741 TAAAGTTGCTGTGGGAG 1760

RESULT 14
US-10-142-419-5
; Sequence 5, Application US/10142419
; Publication No. US2003004945A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C244
; CURRENT APPLICATION NUMBER: US/10/142,419
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-142-419-5

Query Match 100.0%; Score 1760; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGCTGGCCGTCAGTGTCTCCCGTGTGCTTTGGCCCTCTCCAGTTTCCCCAGTGCTGC 60
Db 1 CCGCTGGCCGTCAGTGTCTCCCGTGTGCTTTGGCCCTCTCCAGTTTCCCCAGTGCTGC 60
QY 61 CCTACGCACCCCGATGGGAGCTGGGCTAGCGGCGCCCGGCGCCCGCCAGCGCCGCC 120
Db 61 CCTACGCACCCCGATGGGAGCTGGGCTAGCGGCGCCCGGCGCCCGCCAGCGCCGCC 120
QY 121 GGCCCTTGGCCGACTGCCCGCCCGGCTTGGCTTCTGCTTCTTCCCGGAGCTGCACGC 180
Db 121 GGCCCTTGGCCGACTGCCCGCCCGGCTTGGCTTCTGCTTCTTCCCGGAGCTGCACGC 180
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QY 1261 ATATAAAGTATACAGAGTACATGCCATCAGTTTGTCTCCAGGGAGTGAAGGCG 1320
Db 1261 ATATAAAGTATACAGAGTACATGCCATCAGTTTGTCTCCAGGGAGTGAAGGCG 1320
QY 1321 CTTTGACATCAGGAGCATCTTACGCGCTCATGACCCCTGTTTAACTCTGAACCTA 1380
Db 1321 CTTTGACATCAGGAGCATCTTACGCGCTCATGACCCCTGTTTAACTCTGAACCTA 1380
QY 1381 TCTCTGAGCTCTGCGCTCCCTGCTTGGAACTGTTCTTCTGCGCTCAGGAGGGTGTCA 1440
Db 1381 TCTCTGAGCTCTGCGCTCCCTGCTTGGAACTGTTCTTCTGCGCTCAGGAGGGTGTCA 1440
QY 1441 GATCTCCAAATTTAGAGAGCTCAAGACCTTGGGCCCCCAGAGACTTCGAGATGTAC 1500
Db 1441 GATCTCCAAATTTAGAGAGCTCAAGACCTTGGGCCCCCAGAGACTTCGAGATGTAC 1500
QY 1501 ATTGCCCCCTCAGTCCCTCAATGCTTGGAACTGTTCTTCTGCGCTCAGGAGGGTGTCA 1560
Db 1501 ATTGCCCCCTCAGTCCCTCAATGCTTGGAACTGTTCTTCTGCGCTCAGGAGGGTGTCA 1560
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Db 1561 CCGTAGCTGCGGGTCCCACTCCAGTGCACAAACCCCTCACCCTCCCTGCGAGCC 1620
QY 1621 CCGTAGGAGCTGAGGCGGAGCCAGCCGCTGCTCCAGAGCATGCTCCCTCCATGG 1680
Db 1621 CCGTAGGAGCTGAGGCGGAGCCAGCCGCTGCTCCAGAGCATGCTCCCTCCATGG 1680
QY 1681 GCTGTGCGGAGGAAACCGGGCGGGTGGGAAACAGAGTGTGCGCTCGGATGTTCAA 1740
Db 1681 GCTGTGCGGAGGAAACCGGGCGGGTGGGAAACAGAGTGTGCGCTCGGATGTTCAA 1740
QY 1741 TAAAGTTGCTGTGGGAG 1760
Db 1741 TAAAGTTGCTGTGGGAG 1760

RESULT 15

US-10-123-262-5
; Sequence 5, Application US/10123262
; Publication No. US20030049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/123,262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-123-262-5

Query Match

100.0%; Score 1760; DB 14; Length 1760;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1760; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 CCGCGTGGCCCGTCAGTGTCTCTCCCGTGTGTTTGCCTCTCCAGTTCGCCCGAGTGGCTCG 60
QY 61 CTTACGACACCCCGATGCGGAGCTGCGGCTAGCGGCGCCCGGCCCGCCACCGCGCCCC 120
Db 61 CTTACGACACCCCGATGCGGAGCTGCGGCTAGCGGCGCCCGGCCCGCCACCGCGCCCC 120
QY 121 GGCGCTGGCCCGACCTGCCCCCGGCTTCTGCTTCTTCTCCCGGAGCTGACCG 180
Db 121 GGCGCTGGCCCGACCTGCCCCCGGCTTCTGCTTCTTCTCCCGGAGCTGACCG 180
QY 181 CATCTACGAGAGTGGCGGCTTTTACCTGACCAAGCGAACCCTCCAGGTTACCG 240
Db 181 CATCTACGAGAGTGGCGGCTTTTACCTGACCAAGCGAACCCTCCAGGTTACCG 240
QY 241 TATCGTCAAGTACTGTTGGTGGCCAGACCCCTTGGACTATGTTAGCATGTACAGAA 300
Db 241 TATCGTCAAGTACTGTTGGTGGCCAGACCCCTTGGACTATGTTAGCATGTACAGAA 300
QY 301 TGGGGGAGCCCTTCTGTAACATCCCGAGCACTGGCACTACATCAGCTTCGGCTGAG 360
Db 301 TGGGGGAGCCCTTCTGTAACATCCCGAGCACTGGCACTACATCAGCTTCGGCTGAG 360
QY 361 TGATCTCTATGTTGACAAAGAGTCCATGAGTTTACAGAAAGATGGAACCTTAGTGT 420
Db 361 TGATCTCTATGTTGACAAAGAGTCCATGAGTTTACAGAAAGATGGAACCTTAGTGT 420
QY 421 TGGCTTTGAGTTGACCTTCTGTAAGAGAGAACTGGGAGTCTGCCCGACCAACATG 480
Db 421 TGGCTTTGAGTTGACCTTCTGTAAGAGAGAACTGGGAGTCTGCCCGACCAACATG 480
QY 481 GCGCGCAGAGTTAATGCAAGGCTTGGCAGATACGTTTCCAGTCAGAGAACACCTTCTG 540
Db 481 GCGCGCAGAGTTAATGCAAGGCTTGGCAGATACGTTTCCAGTCAGAGAACACCTTCTG 540
QY 541 CAGTGGGAGCATGTTCTTGGCAGAGCCCTTGGTAAACAGTGTCAAGATTCAGCA 600
Db 541 CAGTGGGAGCATGTTCTTGGCAGAGCCCTTGGTAAACAGTGTCAAGATTCAGCA 600
QY 601 CATGCTGCTGACAGAGAGCCACAGATGAGCCCGTGCAGACACCCCTTTGGGGTAGTAC 660
Db 601 CATGCTGCTGACAGAGAGCCACAGATGAGCCCGTGCAGACACCCCTTTGGGGTAGTAC 660
QY 661 CTTCTCCAGATCGTTGGTGTCTGCACTGAGAGTACACTCAGCCCGAGTGGAGCGG 720
Db 661 CTTCTCCAGATCGTTGGTGTCTGCACTGAGAGTACACTCAGCCCGAGTGGAGCGG 720
QY 721 GCAGGCGATCCTGGAGCTGCTGGGAGTGTCTATTGCTGGGCGCCCTGCTGATAC 780
Db 721 GCAGGCGATCCTGGAGCTGCTGGGAGTGTCTATTGCTGGGCGCCCTGCTGATAC 780
QY 781 TGACATCGGAGGGAGAGACCATATTTCAGATTCGATCCACACCTTCAGAGAGAGTTGA 840
Db 781 TGACATCGGAGGGAGAGACCATATTTCAGATTCGATCCACACCTTCAGAGAGAGTTGA 840
QY 841 CAAAGGATCGAGAGAGTGGCTCCAACTGAGTGTGTGCTGCTCCAGTGTGCTGGGA 900
Db 841 CAAAGGATCGAGAGAGTGGCTCCAACTGAGTGTGTGCTGCTCCAGTGTGCTGGGA 900
QY 901 TGACCTGAGCCCGCCCGGAGGATGACAGGAGCAGCGGAGCATCTGTCATCGGACACA 960
Db 901 TGACCTGAGCCCGCCCGGAGGATGACAGGAGCAGCGGAGCATCTGTCATCGGACACA 960
QY 961 GCGCGGCGACTCTCTGGGAGAGACACAGAGAGATCCGGGAGACCTGAGGAGGACT 1020
Db 961 GCGCGGCGACTCTCTGGGAGAGACACAGAGAGATCCGGGAGACCTGAGGAGGACT 1020
QY 1021 CGAGATCAACAGCAACCTGCTCTTCCACCAATCAACCTCAGCGCGAGAAATGGCTCGC 1080
Db 1021 CGAGATCAACAGCAACCTGCTCTTCCACCAATCAACCTCAGCGCGAGAAATGGCTCGC 1080

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QY 1081 CCACGACCGGGCCCGAGCCGCAAGACAGACCTTGGAAAGTGACAGCTCCACGGCCATCAT 1140
Db 1081 CCACGACCGGGCCCGAGCCGCAAGACAGACCTTGGAAAGTGACAGCTCCACGGCCATCAT 1140
QY 1141 TCCCCATGAGCTGANTTCGACACGCGAGCTTGAGAGCGTACATCTGAAATTCACACAGGA 1200
Db 1141 TCCCCATGAGCTGANTTCGACACGCGAGCTTGAGAGCGTACATCTGAAATTCACACAGGA 1200
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Db 1201 GTCCGAGCCCTCATCTCTCTGCTAAGGGGAGGCTCCCTGATGAGCGGCACTTTAC 1260
QY 1261 ATATAAAGTATCACAGGTGACATGSCCATACGTTTGTCTCCACGGGAGTGAAGGCGC 1320
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QY 1321 CTTTGCACCTGAGGACATCTTACGCGCTCATGAGCCCTGTTACACTCTGAACTTA 1380
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QY 1381 TCCTCGGAGCTCTGCCCTCCCGCTCTGGAACGCTTTCTGCCCTGAGGAGGGTAGTCA 1440
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QY 1441 GCATCTCCAAATTTTACAGCAGCTCAAGAACCTTGGCCCCCACAGGACTTCGCAGATGTAC 1500
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QY 1621 CCTCAGGAGCCTGAGGCGCCAGCACCCGCTGGCTCCCAAGCACATGCTCCCTCCCATGG 1680
Db 1621 CCTCAGGAGCCTGAGGCGCCAGCACCCGCTGGCTCCCAAGCACATGCTCCCTCCCATGG 1680
QY 1681 GCTGTTGCCAGGGAACCGGGGGCGGTGGGAACGAGCTGCTGGCTCGGCATGTTCAA 1740
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Search completed: November 22, 2004, 06:48:09
Job time : 2384.8 secs

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2	1299	100.0	1760	US-10-140-808-5	Sequence 5, Appli
3	1299	100.0	1760	US-10-121-049-5	Sequence 5, Appli
4	1299	100.0	1760	US-10-123-904-5	Sequence 5, Appli
5	1299	100.0	1760	US-10-140-470-5	Sequence 5, Appli
6	1299	100.0	1760	US-10-175-746-5	Sequence 5, Appli
7	1299	100.0	1760	US-10-176-918-5	Sequence 5, Appli
8	1299	100.0	1760	US-10-176-921-5	Sequence 5, Appli
9	1299	100.0	1760	US-10-137-865-5	Sequence 5, Appli
10	1299	100.0	1760	US-10-140-474-5	Sequence 5, Appli
11	1299	100.0	1760	US-10-142-431-5	Sequence 5, Appli
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3 PRIOR FILING DATE: 1997-09-17
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5 PRIOR FILING DATE: 1997-09-17
6 PRIOR APPLICATION NUMBER: 60/059263
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8 PRIOR APPLICATION NUMBER: 60/059352
9 PRIOR FILING DATE: 1997-09-19
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Query Match      100.0%; Score 1299; DB 14; Length 1760;
Best Local Similarity 100.0%; Fred. No. 0;
Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 ACTGCCCGCGCGCTTACGCGCGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCGCGCG 120
DB 134 ACTGCCCGCGCGCTTACGCGCGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCGCGCG 193
QY 121 TSCGCGCGCGCTTACGCGCGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCGCGCG 180
DB 194 TSCGCGCGCGCTTACGCGCGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCGCGCG 253
QY 181 TGGTGGGTGGCGCGCGCGCTTACGCGCGCGCCCGGCGCCCGGCGCCCGGCGCGCGCG 240
DB 254 TGGTGGGTGGCGCGCGCGCTTACGCGCGCGCCCGGCGCCCGGCGCCCGGCGCGCGCG 313
QY 241 TGTGCTAACTCCCGGAGCTGGGCTTACGCGCGCGCCCGGCGCCCGGCGCGCGCGCG 300
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QY 301 GACACAGAGTCCATGAGTTTACAGGACAGATGACCTTACGCGCGCGCCCGGCGCGCG 360
DB 374 GACACAGAGTCCATGAGTTTACAGGACAGATGACCTTACGCGCGCGCCCGGCGCGCG 433
QY 361 ACTTTTGTCTGAAGAGAGAACTGGGGAGTGTGCGCGCGCCCGGCGCGCGCGCGCGCG 420
DB 434 ACTTTTGTCTGAAGAGAGAACTGGGGAGTGTGCGCGCGCCCGGCGCGCGCGCGCGCG 493
QY 421 ATGCGGGCTTGGCAGATACGTTTCCAGTACAGAGACACCTTCTGCGAGTGGGACCAT 480
DB 494 ATGCGGGCTTGGCAGATACGTTTCCAGTACAGAGACACCTTCTGCGAGTGGGACCAT 553
QY 481 GTGCTCTGGCAGCGCCCTTTGGATAACAGTGTGAGTCAAGAAATTCAGACATGTCTGACA 540
DB 554 GTGCTCTGGCAGCGCCCTTTGGATAACAGTGTGAGTCAAGAAATTCAGACATGTCTGACA 613
QY 541 GAGGACCCACAGATGAGCGCGCGGAGACACCTTGGGGTGTGAGTACCTTCTCCAGATC 600
DB 614 GAGGACCCACAGATGAGCGCGCGGAGACACCTTGGGGTGTGAGTACCTTCTCCAGATC 673
QY 601 GTTGGTGTCTGACTGAAGAGCTTACACTCAGCGCGCGGAGTGAACGGGCGGCGGCTCTG 660
DB 674 GTTGGTGTCTGACTGAAGAGCTTACACTCAGCGCGCGGAGTGAACGGGCGGCGGCTCTG 733
QY 661 GAGCTGTGGGAGCAGTGCCTTATGCTGGCGCGCGCTTGGCTGATTAACACTGAGTGGGAGG 720
DB 734 GAGCTGTGGGAGCAGTGCCTTATGCTGGCGCGCGCTTGGCTGATTAACACTGAGTGGGAGG 793

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DB 854 ACAGATGGCTTCAACCTGAGTGTGTGAGTGCCAAAGTGTGCTGGAGTGAACCTGAGCGG 913
QY 841 CCCCCGAGGATGACGAGGACGCGGAGATCTGATCGGACACAGACGCGCGCGGACTC 900
DB 914 CCCCCGAGGATGACGAGGACGCGGAGATCTGATCGGACACAGACGCGCGGACTC 973
QY 901 TCTGGCAAAAGACACAGAGCAGATCCCGGAGACCCCTGAGGAGAGGACTTCGAGATCAACAGC 960
DB 974 TCTGGCAAAAGACACAGAGCAGATCCCGGAGACCCCTGAGGAGAGGACTTCGAGATCAACAGC 1033
QY 961 AAACCTGTCTTCCACCAATCAACCTCAGCGGAGAGATGGCTCCGCCACGACCGGCGCC 1020
DB 1034 AAACCTGTCTTCCACCAATCAACCTCAGCGGAGAGATGGCTCCGCCACGACCGGCGCC 1093
QY 1021 CCGAGCGCAAAAGACACAGCAGCTTGGAAAGTGACAGCTCCACGCGCCATCATTCGCCATGAGCTG 1080
DB 1094 CCGAGCGCAAAAGACACAGCAGCTTGGAAAGTGACAGCTCCACGCGCCATCATTCGCCATGAGCTG 1153
QY 1081 ATTGCGACGCGGAGCTTGGAGAGCGTACATCTGAAATTCACAGGAGTCCGAGCGCCTC 1140
DB 1154 ATTGCGACGCGGAGCTTGGAGAGCGTACATCTGAAATTCACAGGAGTCCGAGCGCCTC 1213
QY 1141 ATTCTCTCTGCTTAAGGGGAGGCTCTCTGATGGAGCGGCTTACATATAAAGTATC 1200
DB 1214 ATTCTCTCTGCTTAAGGGGAGGCTCTCTGATGGAGCGGCTTACATATAAAGTATC 1273
QY 1201 ACAGGTGACATGGCCATCAGCTTTGTCTCCACGGGAGTGGAGCGCGCTTTGCCACTGAG 1260
DB 1274 ACAGGTGACATGGCCATCAGCTTTGTCTCCACGGGAGTGGAGCGCGCTTTGCCACTGAG 1333
QY 1261 GAGCATCTTACCGGCTCATGAGACCTGCTTAACTC 1299
DB 1334 GAGCATCTTACCGGCTCATGAGACCTGCTTAACTC 1372

RESULT 2
US-10-140-808-5
; Sequence 5, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C182
; CURRENT APPLICATION NUMBER: US/10/140,808
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760

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Db	194	TGGCGCGCCTTTACCTCTGACAGCCGAAACCCGCTCCAGGTTACCGTATCTGTCAGATAC	253
Qy	181	TGTTTGGTGGCCCGAGACCCCTTTGGACTATGTTTAGCATGTACAGGAATGTGGGGAGCCCT	240
Db	254	TGTTTGGTGGCCCGAGACCCCTTTGGACTATGTTTAGCATGTACAGGAATGTGGGGAGCCCT	313
Qy	241	TCTTGCTTAACATCCCGAGCACTGGCACTACATCAGCTTCGGCCCTGAGTGATCTCTATGTT	300
Db	314	TCTTGCTTAACATCCCGAGCACTGGCACTACATCAGCTTCGGCCCTGAGTGATCTCTATGTT	373
Qy	301	GACAAACAGAGTCCATCAGTTTACAGGAACAGATGGACCTAGTGTGTTTGGCTTTGAGTTG	360
Db	374	GACAAACAGAGTCCATCAGTTTACAGGAACAGATGGACCTAGTGTGTTTGGCTTTGAGTTG	433
Qy	361	ACCTTTGCTGTAAGAGAGAGAAACTGGGGAGTCTGCCCCACCAACATGCCCCGCGAGAGTTA	420
Db	434	ACCTTTGCTGTAAGAGAGAGAACTGGGGAGTCTGCCCCACCAACATGCCCCGCGAGAGTTA	493
Qy	421	ATGCAGGGCTTGGCACCATACGTGTTCCAGTCAGAGAAACACCTTTCGCAGTGGGGACCAT	480
Db	494	ATGCAGGGCTTGGCACCATACGTGTTCCAGTCAGAGAAACACCTTTCGCAGTGGGGACCAT	553
Qy	481	GTGTCTGGCAAGCCCTTTTGGATAACAGTGAFTCAAGAAATTCAGCACATGCTGCTGACA	540
Db	554	GTGTCTGGCAAGCCCTTTTGGATAACAGTGAFTCAAGAAATTCAGCACATGCTGCTGACA	613
Qy	541	GAGGACCCACAGATGACGCCGTGCAGACACCCCTTTGGGGTAGTTACTTCTCTCCAGATC	600
Db	614	GAGGACCCACAGATGACGCCGTGCAGACACCCCTTTGGGGTAGTTACTTCTCTCCAGATC	673
Qy	601	GTTGGTGTCTGCACTGAAGAGCTACACTCAGCCCCAGCAGTGGAAACGGCGAGGCACTCCTG	660
Db	674	GTTGGTGTCTGCACTGAAGAGCTACACTCAGCCCCAGCAGTGGAAACGGCGAGGCACTCCTG	733
Qy	661	GAGTGTCTGGACAGTGCCTATTGCTGGCGGCCCTTGCTGTATGCTGATGTAAGTGCAGGAG	720
Db	734	GAGTGTCTGGACAGTGCCTATTGCTGGCGGCCCTTGCTGTATGCTGATGTAAGTGCAGGAG	793
Qy	721	GGAGAGACCATATTTTGAGATCGATCCACACCTGCAAGAGAGAGTTGACAAAGGCATCGAG	780
Db	794	GGAGAGACCATATTTTGAGATCGATCCACACCTGCAAGAGAGAGTTGACAAAGGCATCGAG	853
Qy	781	ACAGATGGCTCCAAACCTGATGGTGTGCTGTCGCAAGTGTGCTTGGGATGACTGAGCCGG	840
Db	854	ACAGATGGCTCCAAACCTGATGGTGTGCTGTCGCAAGTGTGCTTGGGATGACTGAGCCGG	913
Qy	841	CCCCCGAGAGTACAGAGGACAGCCGGAGCATCTGCATCGGCACACAGCCCCCGGCATC	900
Db	914	CCCCCGAGAGTACAGAGGACAGCCGGAGCATCTGCATCGGCACACAGCCCCCGGCATC	973
Qy	901	TCTGGCAAAAGACACAGAGCAGATCCGGGAGACCTTGAGGAGAGCATCTGAGATCAACAGC	960
Db	974	TCTGGCAAAAGACACAGAGCAGATCCGGGAGACCTTGAGGAGAGCATCTGAGATCAACAGC	1033
Qy	961	AAACCTGTCTCTCCACCAATCAACCCCTCAGCGGAGATGGCTCGCCACGACGACGGGCC	1020
Db	1034	AAACCTGTCTCTCCACCAATCAACCCCTCAGCGGAGATGGCTCGCCACGACGACGGGCC	1093
Qy	1021	CCGAGCCGCAAGAGCAGCCTGGAAGTGACAGCTCCACGGCCATCATTTCCCATGAGCTG	1080
Db	1094	CCGAGCCGCAAGAGCAGCCTGGAAGTGACAGCTCCACGGCCATCATTTCCCATGAGCTG	1153
Qy	1081	ATTGCGACGGGCGAGCTTGAGAGGGTACATCTGAAATTCACACAGGAGTCCGAGGCCCTC	1140
Db	1154	ATTGCGACGGGCGAGCTTGAGAGGGTACATCTGAAATTCACACAGGAGTCCGAGGCCCTC	1213
Qy	1141	ATTCTCTCTGCCCTAAGGGGCGAGGCTCTCTGATCGAGCGGCATTTATATATAAAGTATC	1200
Db	1214	ATTCTCTCTGCCCTAAGGGGCGAGGCTCTCTGATCGAGCGGCATTTATATATAAAGTATC	1273
Qy	1201	ACAGGTGACATGGCCATCACTTTGTTCTTCCACGGGAGTGGAGCGGCTTTGCCACTGAG	1260
Db	1274	ACAGGTGACATGGCCATCACTTTGTTCTTCCACGGGAGTGGAGCGGCTTTGCCACTGAG	1333

Qy 1261 GAGCATCCTTACGCGGCTCATGGACCCCTGGTTACAACCTC 1299
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Db 1334 GAGCATCCTTACGCGGCTCATGGACCCCTGGTTACAACCTC 1372

RESULT 4

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US-10-123-904-5
; Sequence 5, Application US/10123904
; Publication NO. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ACIDS ENCODING THE SAME
; FILE REFERENCE: P33301C54
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-123-904-5

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Query Match 100.0%; Score 1299; DB 14; Length 1760;

Qy	421	ATGAGGGCTTGGCACGATACGTGTTTCCAGTCAGAGAACCTTCTGCAGTGGGACCAT	480
Db	494	ATGAGGGCTTGGCACGATACGTGTTTCCAGTCAGAGAACCTTCTGCAGTGGGACCAT	553
Qy	481	GTGTCTTGGCACAGCCCTTTTGGATAACAGTCAGTCAAGAAATTCAGCACATGCTCTGACA	540
Db	554	GTGTCTTGGCACAGCCCTTTTGGATAACAGTCAGTCAAGAAATTCAGCACATGCTCTGACA	613
Qy	541	GAGAACCCACAGATGCAGCCCGTGCAGACACCCCTTTGGGTAGTTACCTTCTCCAGATC	600
Db	614	GAGAACCCACAGATGCAGCCCGTGCAGACACCCCTTTGGGTAGTTACCTTCTCCAGATC	673
Qy	601	GTTTCGTCTGCATGAGAGCTACACTCAGCCGACAGTCGGAACGGCAGGGATCCTG	660
Db	674	GTTTCGTCTGCATGAGAGCTACACTCAGCCGACAGTCGGAACGGCAGGGATCCTG	733
Qy	661	GAGCTGCTGGGACAGTGCCTTATTCGTGGCGGCCCTTGGCTGATAAATGACATCGGAGG	720
Db	734	GAGCTGCTGGGACAGTGCCTTATTCGTGGCGGCCCTTGGCTGATAAATGACATCGGAGG	793
Qy	721	GGAGAGACCATATTTTGAGATCGATCCACACTGCAAGAGAGAGTTGACAAAGGATCGAG	780
Db	794	GGAGAGACCATATTTTGAGATCGATCCACACTGCAAGAGAGAGTTGACAAAGGATCGAG	853
Qy	781	ACAGATGGCTCCAACTCTGAGTGGTGTTCAGTGCCCAAGTGTGCTCGGGATGACCTCAGCGGG	840
Db	854	ACAGATGGCTCCAACTCTGAGTGGTGTTCAGTGCCCAAGTGTGCTCGGGATGACCTCAGCGGG	913
Qy	841	CCCCCAGAGATGACGAGGACAGCCGGAGAGATCTGCAATCGGCAACAGCCCCCGGAGCTC	900
Db	914	CCCCCAGAGATGACGAGGACAGCCGGAGAGATCTGCAATCGGCAACAGCCCCCGGAGCTC	973
Qy	901	TCTGECAAAAGACACAGAGCAGATCCGGAGACCTGTGAGGAGAGACTCGAGATCAACAGC	960
Db	974	TCTGECAAAAGACACAGAGCAGATCCGGAGACCTGTGAGGAGAGACTCGAGATCAACAGC	1033
Qy	961	AAACCTGTCTTCCACCAATCAACCTTCAGCGGAGAAATGGCTTCGGCCACAGCCGGGCC	1020
Db	1034	AAACCTGTCTTCCACCAATCAACCTTCAGCGGAGAAATGGCTTCGGCCACAGCCGGGCC	1093
Qy	1021	CCGAGCCGAAAAGACGCTTGGAAAGTGACAGCTCCACGGCCATCATTCGCCATGAGCTG	1080
Db	1094	CCGAGCCGAAAAGACGCTTGGAAAGTGACAGCTCCACGGCCATCATTCGCCATGAGCTG	1153
Qy	1081	ATTGCGACCGCGAGCTTGAGAGCGTATCATCTGAAATTC AACAGGAGTCCGGAGCCCTC	1140
Db	1154	ATTGCGACCGCGAGCTTGAGAGCGTATCATCTGAAATTC AACAGGAGTCCGGAGCCCTC	1213
Qy	1141	ATTCCCTCTCTGCTTACGGGCGAGCTCCTGCATGGAGGACATTTACATATAAAGTATC	1200
Db	1214	ATTCCCTCTCTGCTTACGGGCGAGCTCCTGCATGGAGGACATTTACATATAAAGTATC	1273
Qy	1201	ACAGGTGACATGGCCATCAGGTTTGTCTCCACGGGAGTGGAAAGCGGCTTTGCCACTGAG	1260
Db	1274	ACAGGTGACATGGCCATCAGGTTTGTCTCCACGGGAGTGGAAAGCGGCTTTGCCACTGAG	1333
Qy	1261	GAGCATCCTTACGGGCTCATGACCCCTGTTTACAATC	1299
Db	1334	GAGCATCCTTACGGGCTCATGACCCCTGTTTACAATC	1372

RESULT 5

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US-10-140-470-5
; Sequence 5, Application US/10140470
; Application No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bersini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerittsen, Mary E.

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Db	734	GAGCTGCTCGGACAGTGCCTATTGCTGGCGGCCCTTGCTGATTAAC	TGAC	TGCGGAGG	793
Qy	721	GGAGAGACCATATTGAGATCGATCCACACTGCAAGAGAGAGTTGCA	AAAGCATCGAG	780	
Db	794	GGAGAGACCATATTGAGATCGATCCACACTGCAAGAGAGAGTTGCA	AAAGCATCGAG	853	
Qy	781	ACAGATGGCTCCAACTTGATGGTGTGAGTGGCCAAAGTGCCTTGGGAT	GAACCTGAGCCGG	840	
Db	854	ACAGATGGCTCCAACTTGATGGTGTGAGTGGCCAAAGTGCCTTGGGAT	GAACCTGAGCCGG	913	
Qy	841	CCCCCGAGAGATGACGAGGACAGCCGAGAGCATGTGCATCGGCACAC	AGGCCCGGCACTC	900	
Db	914	CCCCCGAGAGATGACGAGGACAGCCGAGAGCATGTGCATCGGCACAC	AGGCCCGGCACTC	973	
Qy	901	TCTGGCAAAGACACAGAGCAGATCCGGGAGACCTTGAGGAGAGACT	TCGAGATCAACAGC	960	
Db	974	TCTGGCAAAGACACAGAGCAGATCCGGGAGACCTTGAGGAGAGACT	TCGAGATCAACAGC	1033	
Qy	961	AAACCTGTCTTTCACCAATCAACCTTCAGGGGAGAGAAATGGCTTCG	CCCCACGACCCGGGCC	1020	
Db	1034	AAACCTGTCTTTCACCAATCAACCTTCAGGGGAGAGAAATGGCTTCG	CCCCACGACCCGGGCC	1093	
Qy	1021	CCGAGCGCGAAAGACAGCCTGGAAGATGACAGCTCCACGGCCATCAT	TCCCATGAGCTG	1080	
Db	1094	CCGAGCGCGAAAGACAGCCTGGAAGATGACAGCTCCACGGCCATCAT	TCCCATGAGCTG	1153	
Qy	1081	ATTCGCACGGCGCAGCTTGAGAGCGTACATCTGAAATTCACAGGAGT	CCGAGACCCCTC	1140	
Db	1154	ATTCGCACGGCGCAGCTTGAGAGCGTACATCTGAAATTCACAGGAGT	CCGAGACCCCTC	1213	
Qy	1141	ATTCTCTCTGCTTAAGGGGAGAGCTCTGCATGGAGGCACTTTACATAT	AAAGATATC	1200	
Db	1214	ATTCTCTCTGCTTAAGGGGAGAGCTCTGCATGGAGGCACTTTACATAT	AAAGATATC	1273	
Qy	1201	ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGAAGGCGCT	TTTGCCACTGAG	1260	
Db	1274	ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGAAGGCGCT	TTTGCCACTGAG	1333	
Qy	1261	GAGCATCCTTACGGGCTCATGACCCCTGGTTACAATC	1299		
Db	1334	GAGCATCCTTACGGGCTCATGACCCCTGGTTACAATC	1372		

RESULT 6

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US-10-175-746-5
; Sequence 5, Application US/10175746
; Publication NO. US20030027270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gac, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C353
; CURRENT APPLICATION NUMBER: US/10/175, 746
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5

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QY 961 AAACCTGTCTTCCACCAATCAACCTCAGCGGAGAAATGGCTCGCCACAGACCGGGCC 1020
DB 1034 AAACCTGTCTTCCACCAATCAACCTCAGCGGAGAAATGGCTCGCCACAGACCGGGCC 1093
QY 1021 CCGAGCGCAAGAGACAGCGCTGAAAGTGCACAGCTCCACGGCCATCATTTCCCATGAGCTG 1080
DB 1094 CCGAGCGCAAGAGACAGCGCTGAAAGTGCACAGCTCCACGGCCATCATTTCCCATGAGCTG 1153
QY 1081 ATTCCGACCGCGCAGCTTGGAGCGGTACATCTGAAATTAACACAGAGTCCCGAGCCCTC 1140
DB 1154 ATTCCGACCGCGCAGCTTGGAGCGGTACATCTGAAATTAACACAGAGTCCCGAGCCCTC 1213
QY 1141 ATTCTCTCTGCTTAAGGGGAGGCTCTGATGACGCGCACTTTACATATAAAGTATC 1200
DB 1214 ATTCTCTCTGCTTAAGGGGAGGCTCTGATGACGCGCACTTTACATATAAAGTATC 1273
QY 1201 ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGGAGCGCCCTTTGCCACTGAG 1260
DB 1274 ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGGAGCGCCCTTTGCCACTGAG 1333
QY 1261 GAGCATCTTACGGCGCTCATGACCCCTGGTTACAACTC 1299
DB 1334 GAGCATCTTACGGCGCTCATGACCCCTGGTTACAACTC 1372

RESULT 7
US-10-176-918-5
; Sequence 5, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C382
; CURRENT APPLICATION NUMBER: US/10/176,918
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-918-5

Query Match 100.0%; Score 1299; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCGGAGTGGCGCTAGCGGCGCCCGCGGCCCAACCGCGCCCGCGCCCTGGCCCG 60
DB 74 ATGCGGAGTGGCGCTAGCGGCGCCCGCGGCCCAACCGCGCCCGCGCCCTGGCCCG 133
QY 61 ACTGCCCGCGCGCTTCGCTTCGCTTTCCCGCGGACTGACGCGCATCTACGAGAG 120
DB 134 ACTGCCCGCGCGCTTCGCTTCGCTTTCCCGCGGACTGACGCGCATCTACGAGAG 193
QY 121 TGCGCGCGCTTTTACCTGTACACGCGCAACCGCGCTCCAGGTACCGCTATCGTCAAGTAC 180

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DB 194 TGCGCGCGCTTTTACCTGTACACGCGCAACCGCTCCAGGTACCGCTATCGTCAAGTAC 253
QY 181 TGGTTGGGTGGCCAGACCCCTTGGACTATGTAGCATGTACAGGAATGTGGGGAGCCCT 240
DB 254 TGGTTGGGTGGCCAGACCCCTTGGACTATGTAGCATGTACAGGAATGTGGGGAGCCCT 313
QY 241 TCTGTCTAAATCCATCCCGAGCACTGGCACTACATCAGCTTCGGCTCGAGTATCTCTATGT 300
DB 314 TCTGTCTAAATCCATCCCGAGCACTGGCACTACATCAGCTTCGGCTCGAGTATCTCTATGT 373
QY 301 GACAAACAGAGTCCATGAGTTTACAGGAACAGATGAGACCTAGTGGTTTGGCTTTGAGTTG 360
DB 374 GACAAACAGAGTCCATGAGTTTACAGGAACAGATGAGACCTAGTGGTTTGGCTTTGAGTTG 433
QY 361 ACCTTTTCTGTCTGAAGAGAGAACTGGGGAGTCTGCCCAACCAACATGGCCCGCAGAGTTA 420
DB 434 ACCTTTTCTGTCTGAAGAGAGAACTGGGGAGTCTGCCCAACCAACATGGCCCGCAGAGTTA 493
QY 421 ATGAGGGCTTGGCAGATACGTTTCCAGTCCAGAGAACACCTTCTGAGTGGGACCAT 480
DB 494 ATGAGGGCTTGGCAGATACGTTTCCAGTCCAGAGAACACCTTCTGAGTGGGACCAT 553
QY 481 GTGTCTCTGCACAGCCCTTTTGATTAACAGTGTCAAGAAATTCAGACATGCTGCTGACA 540
DB 554 GTGTCTCTGCACAGCCCTTTTGATTAACAGTGTCAAGAAATTCAGACATGCTGCTGACA 613
QY 541 GAGGACCCACAGATGAGCCCTTGAGACACACCTTTGGGGTAGTTTACCTTCTCCAGATC 600
DB 614 GAGGACCCACAGATGAGCCCTTGAGACACACCTTTGGGGTAGTTTACCTTCTCCAGATC 673
QY 601 GTTGTGTCTGCACCTGAAGAGTACACTCAGCCCGCAGAGTGGAGCGGCGAGGACCTCTG 660
DB 674 GTTGTGTCTGCACCTGAAGAGTACACTCAGCCCGCAGAGTGGAGCGGCGAGGACCTCTG 733
QY 661 GAGCTGTCTGCGACAGTGCCTATTCTGCGCGCCCTTGGCTGATAACTGACATGCGGAGG 720
DB 734 GAGCTGTCTGCGACAGTGCCTATTCTGCGCGCCCTTGGCTGATAACTGACATGCGGAGG 793
QY 721 GGAGAGACCATATTTGAGATCGATCCACCTGCAAGAGAGAGTTGACAAAGGACATCGAG 780
DB 794 GGAGAGACCATATTTGAGATCGATCCACCTGCAAGAGAGAGTTGACAAAGGACATCGAG 853
QY 781 ACAGATGCTCCAACTGAGTGGTGTAGTGCCTGCGGAGTGTGCTGGGATGACCTCAGCCGG 840
DB 854 ACAGATGCTCCAACTGAGTGGTGTAGTGCCTGCGGAGTGTGCTGGGATGACCTCAGCCGG 913
QY 841 CCCCCGAGGATGACGAGGACAGCGGAGCATCTGCAATCGGCAACAGCCCGCGGACTC 900
DB 914 CCCCCGAGGATGACGAGGACAGCGGAGCATCTGCAATCGGCAACAGCCCGCGGACTC 973
QY 901 TCTGCAAAAGACACAGACAGCATCGGAGACCTGAGGAGGAGCTCGAGATCAACAGC 960
DB 974 TCTGCAAAAGACACAGACAGCATCGGAGACCTGAGGAGGAGCTCGAGATCAACAGC 1033
QY 961 AAACCTGTCTTCCACCAATCAACCTCAGCGGAGAAATGGCTTCGCCCTCGCCACAGCCGGGCC 1020
DB 1034 AAACCTGTCTTCCACCAATCAACCTCAGCGGAGAAATGGCTTCGCCCTCGCCACAGCCGGGCC 1093
QY 1021 CCGAGCGCAAGAGACAGCTGAAAGTGCACAGCTCCACGGCCATCATTTCCCATGAGCTG 1080
DB 1094 CCGAGCGCAAGAGACAGCTGAAAGTGCACAGCTCCACGGCCATCATTTCCCATGAGCTG 1153
QY 1081 ATTCCGACCGCGCAGCTTGGAGCGGTACATCTGAAATTAACACAGAGTCCCGAGCCCTC 1140
DB 1154 ATTCCGACCGCGCAGCTTGGAGCGGTACATCTGAAATTAACACAGAGTCCCGAGCCCTC 1213
QY 1141 ATTCTCTCTGCTTAAGGGGAGGCTCTGATGACGCGCACTTTACATATAAAGTATC 1200
DB 1214 ATTCTCTCTGCTTAAGGGGAGGCTCTGATGACGCGCACTTTACATATAAAGTATC 1273
QY 1201 ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGGAGCGCCCTTTGCCACTGAG 1260

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; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-474-5

Query Match      100.0%; Score 1299; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCGGAGCTGCGGCTAGGGGCGCCCGCGGCCCGCCACCGCGCCCGCGCCCGCGCCCGCG 60
DB 74 ATGCGGAGCTGCGGCTAGGGGCGCCCGCGGCCCGCCACCGCGCCCGCGCCCGCGCCCGCG 133
QY 61 ACTGCCCCCGCGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCT 120
DB 134 ACTGCCCCCGCGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCT 193
QY 121 TGCCTGCGCTTACCTGACGAGCGAAGCGGTCAGGTTACCGGTATCGTCAAGTAC 180
DB 194 TGCCTGCGCTTACCTGACGAGCGAAGCGGTCAGGTTACCGGTATCGTCAAGTAC 253
QY 181 TGGTTGGTGGCCCGACAGCCCTTGGGACTATGTTAGATGTACAGGAATGTGGGGAGCCCT 240
DB 254 TGGTTGGTGGCCCGACAGCCCTTGGGACTATGTTAGATGTACAGGAATGTGGGGAGCCCT 313
QY 241 TCTGCTTAACATCCCGGAGCATGCGCATCATCAGGTTTGGGCTGAGTATCTATGCT 300
DB 314 TCTGCTTAACATCCCGGAGCATGCGCATCATCAGGTTTGGGCTGAGTATCTATGCT 373
QY 301 GACAAACAGAGTCCATGAGTTTACAGGAACAGATGGACCTAGTGGTTTGGCTTGGCTTGGCT 360
DB 374 GACAAACAGAGTCCATGAGTTTACAGGAACAGATGGACCTAGTGGTTTGGCTTGGCTTGGCT 433
QY 361 ACCTTTGCTGTAAGAGAGAAATCTGGGGAGTCTGCCCCACCAACATGCGCGCGAGAGTTA 420
DB 434 ACCTTTGCTGTAAGAGAGAAATCTGGGGAGTCTGCCCCACCAACATGCGCGCGAGAGTTA 493
QY 421 ATGCAGGCTTGGCAGCATACGTTTCCAGTACAGAAACACCTTCTGAGTGGGGACCAT 480
DB 494 ATGCAGGCTTGGCAGCATACGTTTCCAGTACAGAAACACCTTCTGAGTGGGGACCAT 553
QY 481 GTGCTCTGGGACAGCCCTTTGGTAAACAGTGAATCAAGAAATCAGACATGCTGTGACA 540
DB 554 GTGCTCTGGGACAGCCCTTTGGTAAACAGTGAATCAAGAAATCAGACATGCTGTGACA 613
QY 541 GAGGACCCACAGATGCGAGCCGTCGACACACCTTTGGGGTAGTTACCTTCTTCCAGATC 600
DB 614 GAGGACCCACAGATGCGAGCCGTCGACACACCTTTGGGGTAGTTACCTTCTTCCAGATC 673
QY 601 GTTGTGTCTGACTGAAGACTACACTCAGCCAGCAGTGGAAACGGGAGGCGATCCTG 660
DB 674 GTTGTGTCTGACTGAAGACTACACTCAGCCAGCAGTGGAAACGGGAGGCGATCCTG 733
QY 661 GAGCTGTGCGGACAGTGCCTATTGCTGGGGCCCTGCTGATTAAGTACATGCGGAGG 720
DB 734 GAGCTGTGCGGACAGTGCCTATTGCTGGGGCCCTGCTGATTAAGTACATGCGGAGG 793
QY 721 GGAGAGACCATATTGAGATCGATCCACACTGCAAGAGAGAGTTGACAAAGGATCGAG 780
DB 794 GGAGAGACCATATTGAGATCGATCCACACTGCAAGAGAGAGTTGACAAAGGATCGAG 853
QY 781 ACAGTGTCTCCAACTGAGTGGTTCAGTGCAGAGTGGCTGGGATGACCTGAGCCCG 840
DB 854 ACAGTGTCTCCAACTGAGTGGTTCAGTGCAGAGTGGCTGGGATGACCTGAGCCCG 913
QY 841 CCCCCGAGGATGACGAGGACAGCCGAGGATCTGCATCGGACACACAGCCCGGCGACTC 900
DB 914 CCCCCGAGGATGACGAGGACAGCCGAGGATCTGCATCGGACACACAGCCCGGCGACTC 973
QY 901 TCTGCAAGACACAGAGGATGATCCGGAGACCTGAGGAGGACTTCGAGATCAACAGC 960
DB 974 TCTGCAAGACACAGAGGATGATCCGGAGACCTGAGGAGGACTTCGAGATCAACAGC 1033
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RESULT 11

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US-10-142-431-5
; Sequence 5, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C251
; CURRENT APPLICATION NUMBER: US/10/142,431
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-142-431-5
```

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Query Match      100.0%; Score 1299; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 ATGCGGAGCTGCGGCTAGCGCGCCCGCGGCCCGCCACCGCGCCCGCGCCCGCGCCCGCG 60
DB 74 ATGCGGAGCTGCGGCTAGCGCGCCCGCGGCCCGCCACCGCGCCCGCGCCCGCGCCCGCG 133
QY 61 ACTGCCCCCGCGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCT 120
DB 134 ACTGCCCCCGCGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCT 193
```

QY 121 TGCCGCGCCCTTTACCTGACGAGCGAACCCTGCTCAGGTTACCGCTATCGTCAAGTAC 180
Db 194 TGCCGCGCCCTTTACCTGACGAGCGAACCCTGCTCAGGTTACCGCTATCGTCAAGTAC 253
QY 181 TGGTTGGGTGGCCCGAGACCCCTTTGGACTATGTTAGCATGTACAGGAATGTGGGAGCCCT 240
Db 254 TGGTTGGGTGGCCCGAGACCCCTTTGGACTATGTTAGCATGTACAGGAATGTGGGAGCCCT 313
QY 241 TCTGTAACTATCCCGGAGCACTGGCACTACATCAGCTTCGGCTGAGTGATCTCTATGCT 300
Db 314 TCTGTAACTATCCCGGAGCACTGGCACTACATCAGCTTCGGCTGAGTGATCTCTATGCT 373
QY 301 GACAAACAGAGTCCATGAGTTTACAGAAACAGATGGACCTAGTGGTTTGGCTTTGAGTTG 360
Db 374 GACAAACAGAGTCCATGAGTTTACAGAAACAGATGGACCTAGTGGTTTGGCTTTGAGTTG 433
QY 361 ACCTTTGCTGTGAAGAGAGAACTGGGGAGTCTGCCCAACCAACATGGSCCCGACAGTTA 420
Db 434 ACCTTTGCTGTGAAGAGAGAACTGGGGAGTCTGCCCAACCAACATGGSCCCGACAGTTA 493
QY 421 ATGCGGGCTTGACAGATACGTGTTCCAGTCAGAGAACACCTTCTGCAGTGGGACCAT 480
Db 494 ATGCGGGCTTGACAGATACGTGTTCCAGTCAGAGAACACCTTCTGCAGTGGGACCAT 553
QY 481 GTGCTCTGCGACAGCCCTTTGGATTAACAGTGAAGTCAAGAAATCAGACATGCTGTCACA 540
Db 554 GTGCTCTGCGACAGCCCTTTGGATTAACAGTGAAGTCAAGAAATCAGACATGCTGTCACA 613
QY 541 GAGGACCCACAGATGACGCGCTGCGAGACACCTTTGGGGTAGTTACCTTCTCCAGATC 600
Db 614 GAGGACCCACAGATGACGCGCTGCGAGACACCTTTGGGGTAGTTACCTTCTCCAGATC 673
QY 601 GTTGTGTCTGCACCTGAAGAGTACACTCAGCCGACAGTGAACGCGGACGGGATCCTG 660
Db 674 GTTGTGTCTGCACCTGAAGAGTACACTCAGCCGACAGTGAACGCGGACGGGATCCTG 733
QY 661 GAGCTGTCTGCGACAGTGCCTATTGCTGGCGCCCTTGGCTGATACTGACATCGGAGG 720
Db 734 GAGCTGTCTGCGACAGTGCCTATTGCTGGCGCCCTTGGCTGATACTGACATCGGAGG 793
QY 721 GGAGAGACCATATTTAGATCGATCCACATCGNAGAGAGAGTTGACAAAGGATCGAG 780
Db 794 GGAGAGACCATATTTAGATCGATCCACATCGNAGAGAGAGTTGACAAAGGATCGAG 853
QY 781 ACAGATGGCTCCAACTGAGTGGTGTAGTGCACAGTGTGCTGGGATGACCTCAGCCGG 840
Db 854 ACAGATGGCTCCAACTGAGTGGTGTAGTGCACAGTGTGCTGGGATGACCTCAGCCGG 913
QY 841 CCCCCGAGGATGACGAGGACAGCCGGAGATCTGCATCGGCAACAGCCCGCGGACTC 900
Db 914 CCCCCGAGGATGACGAGGACAGCCGGAGATCTGCATCGGCAACAGCCCGCGGACTC 973
QY 901 TCTGCAAGAGACACAGAGCAGATCGGGAGACCTCGAGGAGAGACTCGAGATCAACAGC 960
Db 974 TCTGCAAGAGACACAGAGCAGATCGGGAGACCTCGAGGAGAGACTCGAGATCAACAGC 1033
QY 961 AAACCTGTCTTCAACCAATCAACCTCAGCGGAGAAATGGCTTCGCCCAACAGCCGGCC 1020
Db 1034 AAACCTGTCTTCAACCAATCAACCTCAGCGGAGAAATGGCTTCGCCCAACAGCCGGCC 1093
QY 1021 CCGAGCCGCAAGACAGCCTGGAAGTGAAGCTTCCAGCCCATCATTTCCCATGAGCTG 1080
Db 1094 CCGAGCCGCAAGACAGCCTGGAAGTGAAGCTTCCAGCCCATCATTTCCCATGAGCTG 1153
QY 1081 ATTGCGACGCGGAGCTTGAGAGCGTACATCTGAAATTCACACGAGGAGTCCGAGGCCCTC 1140
Db 1154 ATTGCGACGCGGAGCTTGAGAGCGTACATCTGAAATTCACACGAGGAGTCCGAGGCCCTC 1213
QY 1141 ATTCTCTCTGCTTAAGGGCAGGCTCTGCTGAGGCGGACCTTTACATATAAAGTATC 1200
Db 1214 ATTCTCTCTGCTTAAGGGCAGGCTCTGCTGAGGCGGACCTTTACATATAAAGTATC 1273
QY 1201 ACAGGTGACATGCGCCATCACTGTTGTCTCCACGGGAGTGAAGGCGCTTTTGCCACTGAG 1260

Db 1274 ACAGGTGACATGCGCCATCACGTTGTCTCCACGGGAGTGAAGGCGCTTTGCCACTGAG 1333
QY 1261 GAGCATCTTTACGGGGCTCATGGACCTCGTTTACCAATC 1299
Db 1334 GAGCATCTTTACGGGGCTCATGGACCTCGTTTACCAATC 1372

RESULT 12
US-10-143-114-5
; Sequence 5, Application US/10143114
; Publication No. US20030036180A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Deenoyers, Jac
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330301C211
; CURRENT APPLICATION NUMBER: US/10/143,114
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-143-114-5

Query Match 100.0%; Score 1299; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGCGGAGCTCGGCTAGCGCGCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCG 60
Db 74 ATGGCGGAGCTCGGCTAGCGCGCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCG 133
QY 61 ACTGCCCCCGCGGCTTTCGCTTCGCTCTTTCCCGGGAGCTGCAGCCCATCTACGAGAG 120
Db 134 ACTGCCCCCGCGGCTTTCGCTTCGCTCTTTCCCGGGAGCTGCAGCCCATCTACGAGAG 193
QY 121 TGCCGCGCCCTTTTACCTGACGAGCGGCAACCGCTTCCAGGTTTACCGCTATCGTCAAGTAC 180
Db 194 TGCCGCGCCCTTTTACCTGACGAGCGGCAACCGCTTCCAGGTTTACCGCTATCGTCAAGTAC 253
QY 181 TGGTTGGGTGGCCCGAGACCCCTTGGACTATGTTAGCATGTACAGGAATGTGGGAGCCCT 240
Db 254 TGGTTGGGTGGCCCGAGACCCCTTGGACTATGTTAGCATGTACAGGAATGTGGGAGCCCT 313
QY 241 TCTGTAACTATCCCGGAGCACTGGCACTACATCAGCTTCGGCTGAGTGATCTCTATGCT 300
Db 314 TCTGTAACTATCCCGGAGCACTGGCACTACATCAGCTTCGGCTGAGTGATCTCTATGCT 373
QY 301 GACAAACAGAGTCCATGAGTTTACAGAAACAGATGGACCTAGTGGTTTGGCTTTGAGTTG 360
Db 374 GACAAACAGAGTCCATGAGTTTACAGAAACAGATGGACCTAGTGGTTTGGCTTTGAGTTG 433
QY 361 ACCTTTGCTGTGAAGAGAGAACTGGGGAGTCTGCCCAACCAACATGGSCCCGACAGTTA 420

434 ACCTTTGCTCTGAAGAGAAACTGGGAGTCTGCGCCACCACCAATGCGCCCGCAGAGTTA 493
Db
421 ATGCGGGCTTGGCAGTACCTGTTCCAGTCAGAGAACACCTTCTGAGTGGGACCAT 480
Qy
494 ATGCGGGCTTGGCAGTACCTGTTCCAGTCAGAGAACACCTTCTGAGTGGGACCAT 553
Db
481 GTGTCTGTCACAGCCCTTTGGATAACAGTGTCAAGAAATTCAGCATGTCTGTGACA 540
Qy
554 GTGTCTGTCACAGCCCTTTGGATAACAGTGTCAAGAAATTCAGCATGTCTGTGACA 613
Db
541 GAGGACCCACAGATGCGCCCTGTCAGACACCTTTGGGTAGTTACCTTCTCCAGATC 600
Qy
614 GAGGACCCACAGATGCGCCCTGTCAGACACCTTTGGGTAGTTACCTTCTCCAGATC 673
Db
601 GTTGGTGTCTGACCTGAAGAGTACACTCAGCCCGGAGTGAAGCGGAGGCTCTCTG 660
Qy
674 GTTGGTGTCTGACCTGAAGAGTACACTCAGCCCGGAGTGAAGCGGAGGCTCTCTG 733
Db
661 GAGTCTGCTGGACAGTGTCTATTTGCTGCGCGCCCTGCTGATTAACATGCGGAGG 720
Qy
734 GAGTCTGCTGGACAGTGTCTATTTGCTGCGCGCCCTGCTGATTAACATGCGGAGG 793
Db
721 GAGGACCATATTTGAGATCGATCCACACCTGCAAGAGAGTTGACAAAGGCATCGAG 780
Qy
794 GAGGACCATATTTGAGATCGATCCACACCTGCAAGAGAGTTGACAAAGGCATCGAG 853
Db
781 ACAGATGGTCTCAACCTGAGTGTGTCAGTGCACAGTGTGCTGGATGACCTGAGCCGG 840
Qy
854 ACAGATGGTCTCAACCTGAGTGTGTCAGTGCACAGTGTGCTGGATGACCTGAGCCGG 913
Db
841 CCCCCCGAGATGACGAGACACGCGGAGCCTGATCGATCGGACACAGCCCGGAGCTC 900
Qy
914 CCCCCCGAGATGACGAGACACGCGGAGCCTGATCGATCGGACACAGCCCGGAGCTC 973
Db
901 TCTGGCAAGACACAGAGCAGATCCGGGAGACCTCGAGGAGGACTCGAGATCAACAGC 960
Qy
974 TCTGGCAAGACACAGAGCAGATCCGGGAGACCTCGAGGAGGACTCGAGATCAACAGC 1033
Db
961 AATCTGTCTTCCACCAATCAACCTCAGCGGCAAGTGGCTGCGCCACAGCCGGGCTC 1020
Qy
1034 AATCTGTCTTCCACCAATCAACCTCAGCGGCAAGTGGCTGCGCCACAGCCGGGCTC 1093
Db
1021 CCGAGCCGAAAGACAGAGCTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1080
Qy
1094 CCGAGCCGAAAGACAGAGCTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1153
Db
1081 ATTGCGACGGGAGCTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1140
Qy
1154 ATTGCGACGGGAGCTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1213
Db
1141 ATTCTCTCTGCTTGAAGGCGAGCTTCTGATGAGGAGGCTTCTGATGAGGAGGCTTCT 1200
Qy
1214 ATTCTCTCTGCTTGAAGGCGAGCTTCTGATGAGGAGGCTTCTGATGAGGAGGCTTCT 1273
Db
1201 ACAGGTGACATGCGCCATCAGCTTTGTTCTCCAGCGGAGTGAAGCGGCTTTGCCACTGAG 1260
Qy
1274 ACAGGTGACATGCGCCATCAGCTTTGTTCTCCAGCGGAGTGAAGCGGCTTTGCCACTGAG 1333
Db
1261 GAGCATCTTACGGGCTTATGACCTTGTGTACAACTC 1299
Qy
1334 GAGCATCTTACGGGCTTATGACCTTGTGTACAACTC 1372
Db

RESULT 13

US-10-140-002-5
; Sequence 5, Application US/10140002
; Publication No. US20030037623A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForse, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C59
; CURRENT APPLICATION NUMBER: US/10/140,002
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-140-002-5

Query Match 100.0%; Score 1299; DB 14; Length 1760;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCGGAGCTGCGGCTAGCGGCGCCCGGCGCCCAACCGGCGCCCGGCGCCCGGCGCCCGG 60
Db 74 ATGCGGAGCTGCGGCTAGCGGCGCCCGGCGCCCAACCGGCGCCCGGCGCCCGGCGCCCG 133
Qy 51 ACTGCGCGCGGCTTGGCTTCTGCTCTTCCCGGCGGACTGACGCGCATCTACGGAGAG 120
Db 134 ACTGCGCGCGGCTTGGCTTCTGCTCTTCCCGGCGGACTGACGCGCATCTACGGAGAG 193
Qy 121 TCGCGCGCGCTTTACCTGTACCGCGGAAACCGGCTCCAGGTTACCGGTATCGTCAAGTAC 180
Db 194 TCGCGCGCGCTTTACCTGTACCGCGGAAACCGGCTCCAGGTTACCGGTATCGTCAAGTAC 253
Qy 181 TGGTGGTGGCGGCGGCGGCTTGGCTTCTGCTCTTCCCGGCGGACTGACGCGCATCTACGGAGAG 240
Db 254 TGGTGGTGGCGGCGGCGGCTTGGCTTCTGCTCTTCCCGGCGGACTGACGCGCATCTACGGAGAG 313
Qy 241 TCTGCTAACATCCCGGAGCACTGCGCATACATCAGCTTCCGCGCTGAGTGTCTCTATGCT 300
Db 314 TCTGCTAACATCCCGGAGCACTGCGCATACATCAGCTTCCGCGCTGAGTGTCTCTATGCT 373
Qy 301 GACAAACAGAGTCCATGAGTTTACAGGAACAGATGGAACCTAGTGGTTTTGGCTTTGAGTTG 360
Db 374 GACAAACAGAGTCCATGAGTTTACAGGAACAGATGGAACCTAGTGGTTTTGGCTTTGAGTTG 433
Qy 361 ACCTTTCGTCTGAGAGAGAACTGGGAGTCTGCCCAACCAATGSCCGCGCAGAGTTA 420
Db 434 ACCTTTCGTCTGAGAGAGAACTGGGAGTCTGCCCAACCAATGSCCGCGCAGAGTTA 493
Qy 421 ATGCGGCGCTTGGCAGCAGATGCTGTTCCAGTCAGAGAACACCTTCTGCGAGTGGGGAACAT 480
Db 494 ATGCGGCGCTTGGCAGCAGATGCTGTTCCAGTCAGAGAACACCTTCTGCGAGTGGGGAACAT 553
Qy 481 GTGTCTGCGCAGCGCTTGGATAACAGTGTGAGTGAAGTTCAGCATCTGCTGACA 540
Db 554 GTGTCTGCGCAGCGCTTGGATAACAGTGTGAGTGAAGTTCAGCATCTGCTGACA 613
Qy 541 GAGGACCCACAGATGCGCCCTGTCAGACACCTTTGGGTAGTTACCTTCTCCAGATC 600
Db 614 GAGGACCCACAGATGCGCCCTGTCAGACACCTTTGGGTAGTTACCTTCTCCAGATC 673
Qy 601 GTTGGTGTCTGACCTGAAGAGTACACTCAGCCCGGAGTGAAGCGGAGGCTCTCTG 660
Db 674 GTTGGTGTCTGACCTGAAGAGTACACTCAGCCCGGAGTGAAGCGGAGGCTCTCTG 733

QY 661 GAGCTGCTGGGACAGTGCCTATTGCTGGGGCCCTGGCTGATTAACATGACATGGGAGG 720
Db 734 GAGCTGCTGGGACAGTGCCTATTGCTGGGGCCCTGGCTGATTAACATGACATGGGAGG 793
QY 721 GGAGAGACCATATTGAGATCGATCACACCTGCAAGAGAGAGATTGACAAAGGCAATCGAG 780
Db 794 GGAGAGACCATATTGAGATCGATCACACCTGCAAGAGAGAGATTGACAAAGGCAATCGAG 853
QY 781 ACAGATGGCTCCAACTGAGTGGTGTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 840
Db 854 ACAGATGGCTCCAACTGAGTGGTGTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 913
QY 841 CCCCCGAGGATGACGAGACAGCCGAGCATCTGCATCGGACACAGCCCGGCACTC 900
Db 914 CCCCCGAGGATGACGAGACAGCCGAGCATCTGCATCGGACACAGCCCGGCACTC 973
QY 901 TGTGGCAAGACACAGAGCAGATCCGGGAGACCCCTGAGGAGAGGACTCGAGATCAACAGC 960
Db 974 TGTGGCAAGACACAGAGCAGATCCGGGAGACCCCTGAGGAGAGGACTCGAGATCAACAGC 1033
QY 961 ABACTGTCTTCCACCAATCAACCTCAGCGGAGAAATGGCTCGCCACAGCCGGGCC 1020
Db 1034 ABACTGTCTTCCACCAATCAACCTCAGCGGAGAAATGGCTCGCCACAGCCGGGCC 1093
QY 1021 CCGAGCGCAAGACAGACCTGGAAAGTGACAGCTCCACGGCCATCATTCGCCATGAGCTG 1080
Db 1094 CCGAGCGCAAGACAGACCTGGAAAGTGACAGCTCCACGGCCATCATTCGCCATGAGCTG 1153
QY 1081 ATTGCGACCGGAGCTTGAGAGCGTACATCTGAAATTCACACAGAGTCCGGAGCCCTC 1140
Db 1154 ATTGCGACCGGAGCTTGAGAGCGTACATCTGAAATTCACACAGAGTCCGGAGCCCTC 1213
QY 1141 ATTCTCTCTGCTTAAGGGGAGGCTCTGCTGATGACAGCGCACTTTACATATAAAGTATC 1200
Db 1214 ATTCTCTCTGCTTAAGGGGAGGCTCTGCTGATGACAGCGCACTTTACATATAAAGTATC 1273
QY 1201 ACAGTGTACATGGCCATCAGTTTGTCTCCAGGAGTGGAGGCGCTTTGCCACTGAG 1260
Db 1274 ACAGTGTACATGGCCATCAGTTTGTCTCCAGGAGTGGAGGCGCTTTGCCACTGAG 1333
QY 1261 GAGCATCTTACGGCGCTCATGACCCCTGGTTTACAACTC 1299
Db 1334 GAGCATCTTACGGCGCTCATGACCCCTGGTTTACAACTC 1372

RESULT 14

US-10-142-419-5

; Sequence 5, Application US/10142419

; Publication No. US2003004945A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C244

; CURRENT APPLICATION NUMBER: US/10/142,419

; CURRENT FILING DATE: 2002-05-10

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 5

; LENGTH: 1760

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-142-419-5

Query Match

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCGGAGCTGGGCTTAGCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGG 60
Db 74 ATGCGGAGCTGGGGCTTAGCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGGCGCCCGG 133
QY 61 ACTGCGCCCGCGGCTTCGCTTCGCTCTTTCCCGCGGAGTGCACGCCATCTACGGAGAG 120
Db 134 ACTGCGCCCGCGGCTTCGCTTCGCTCTTTCCCGCGGAGTGCACGCCATCTACGGAGAG 193
QY 121 TGC CGCGCGCTTTACCTTGACAGCGCAACCGCGCTCCAGGTTACCGCTATCGTCAAGTAC 180
Db 194 TGC CGCGCGCTTTACCTTGACAGCGCAACCGCGCTCCAGGTTACCGCTATCGTCAAGTAC 253
QY 181 TGGTGGTGGCGGCGAGACCCCTTGAGACTATGTTAGCATGTACAGGAATGTGGGAGCCCT 240
Db 254 TGGTGGTGGCGGCGAGACCCCTTGAGACTATGTTAGCATGTACAGGAATGTGGGAGCCCT 313
QY 241 TGTGCTAAACATCCCGAGCACTGGCACTACATAGCTTCGGCTGAGTGTCTATGCT 300
Db 314 TGTGCTAAACATCCCGAGCACTGGCACTACATAGCTTCGGCTGAGTGTCTATGCT 373
QY 301 GACAACAGAGTCCATGAGTTTACAGAAACAGATGGACCTAGTGGTTTGGCTTTCAGTTG 360
Db 374 GACAACAGAGTCCATGAGTTTACAGAAACAGATGGACCTAGTGGTTTGGCTTTCAGTTG 433
QY 361 ACCTTTCTGCTGAAGAGAGAAACTGGGGAGTCTGCCCAACCAACATGGCCCGCAGAGTTA 420
Db 434 ACCTTTCTGCTGAAGAGAGAAACTGGGGAGTCTGCCCAACCAACATGGCCCGCAGAGTTA 493
QY 421 ATGCGGCGCTGGCAGATACGTTTCCAGTACAGAGACACCTTCGAGTGGGAGGACCAT 480
Db 494 ATGCGGCGCTGGCAGATACGTTTCCAGTACAGAGACACCTTCGAGTGGGAGGACCAT 553
QY 481 GTGCTCTGGCAGAGCCCTTTGGATAACAGTGTCAAGAAATTCAGACATGTGCTGACA 540
Db 554 GTGCTCTGGCAGAGCCCTTTGGATAACAGTGTCAAGAAATTCAGACATGTGCTGACA 613
QY 541 GAGGACCCACAGATGAGCGCCCTGAGACACCCCTTTGGGGTAGTTACCTTCCTCCAGATC 600
Db 614 GAGGACCCACAGATGAGCGCCCTGAGACACCCCTTTGGGGTAGTTACCTTCCTCCAGATC 673
QY 601 GTTGGTGTCTGCACTGAAGAGCTACACTCAGCGCCAGAGTGAACCGGACGAGGATCCCTG 660
Db 674 GTTGGTGTCTGCACTGAAGAGCTACACTCAGCGCCAGAGTGAACCGGACGAGGATCCCTG 733
QY 661 GAGCTGCTCGGACAGTGCCTATTGCTGGCGCCCTGCTGATTAACATGACATGGGAGG 720
Db 734 GAGCTGCTCGGACAGTGCCTATTGCTGGCGCCCTGCTGATTAACATGACATGGGAGG 793
QY 721 GGAGAGACCATATTGAGATCGATCCACCTGCAAGAGAGAGTTGACAAAGGCAATCGAG 780
Db 794 GGAGAGACCATATTGAGATCGATCCACCTGCAAGAGAGAGTTGACAAAGGCAATCGAG 853
QY 781 ACAGATGGCTCCAACTGAGTGGTGTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 840
Db 854 ACAGATGGCTCCAACTGAGTGGTGTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 913
QY 841 CCCCCGAGGATGACGAGACAGCCGAGCATCTGCATCGGACACAGCCCGGCACTC 900
Db 914 CCCCCGAGGATGACGAGACAGCCGAGCATCTGCATCGGACACAGCCCGGCACTC 973
QY 901 TGTGGCAAGACACAGAGCAGATCCGGGAGACCCCTGAGGAGAGGACTCGAGATCAACAGC 960

Db 974 TCTGGCAAGACACAGAGAGATCCGGGAGACCCCTGAGGAGAGACTCGAGATCAACAGC 1033
Qy 961 AAACCTGTCTTCCACCAATCAACCCCTCAGCGGAGAAATGGCTCGGCCACAGCCGGGCC 1020
Db 1034 AAACCTGTCTTCCACCAATCAACCCCTCAGCGGAGAAATGGCTCGGCCACAGCCGGGCC 1093
Qy 1021 CCGAGCGCGAAGACAGCCCTGGAAGTGACAGCTCCACGGCCATCATTTCCCAATGAGCTG 1080
Db 1094 CCGAGCGCGAAGACAGCCCTGGAAGTGACAGCTCCACGGCCATCATTTCCCAATGAGCTG 1153
Qy 1081 ATTCCGACGGGGAGCTTTGAGAGGTACATCTGAAATTCAACAGGAGTCCGGAGCCCTC 1140
Db 1154 ATTCCGACGGGGAGCTTTGAGAGGTACATCTGAAATTCAACAGGAGTCCGGAGCCCTC 1213
Qy 1141 ATTCCCTCTCTGCTTAAGGGGAGGCTCCTGCATGAGCGGCATTTACATATAAAGTATC 1200
Db 1214 ATTCCCTCTCTGCTTAAGGGGAGGCTCCTGCATGAGCGGCATTTACATATAAAGTATC 1273
Qy 1201 ACAGGTGACATGGCATCAGTTGCTCTCCACGGGAGTGAAGCGCCCTTGGCACTGAG 1260
Db 1274 ACAGGTGACATGGCATCAGTTGCTCTCCACGGGAGTGAAGCGCCCTTGGCACTGAG 1333
Qy 1261 GAGCATCCTTACGGGCTCATGAGCCCTGTTTACAACTC 1299
Db 1334 GAGCATCCTTACGGGCTCATGAGCCCTGTTTACAACTC 1372

RESULT 15

US-10-123-262-5
; Sequence 5, Application US/10123262
; Publication No. US2003049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/123,262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 5
; LENGTH: 1760
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-123-262-5

Query Match 100.0%; Score 1299; DB 14; Length 1760;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGCGGAGCTCGGCGTACGGCGCCCGCGGCCACCGCGCCCGCCCGCCCGCCCGCCCGCGG 60
Db 74 ATGGCGGAGCTGGGCGCTAGCGCGCCCGCGGCCACCGCGCCCGCCCGCCCGCCCGCCCGG 133
Qy 61 ACTGCCCGCCCGGCGCTTCGCTCTTTCCCGGGGAGTGCAGCCCATCTACCGGAG 120
Db 134 ACTGCCCGCCCGGCGCTTCGCTCTTTCCCGGGGAGTGCAGCCCATCTACCGGAG 193

Qy 121 TGCCCGCGCGCTTTACCTCGACCGAGCCCGCTCCAGGTTACCGCTATCGTCAAGTAC 180
Db 194 TGCCCGCGCGCTTTACCTCGACCGAGAACCGCTCCAGGTTACCGCTATCGTCAAGTAC 253
Qy 181 TGGTTGGGTGGCCAGACCCCTTGAGCTATGTTAGCATGTACAGGAATGTGGGAGCCCT 240
Db 254 TGGTTGGGTGGCCAGACCCCTTGAGCTATGTTAGCATGTACAGGAATGTGGGAGCCCT 313
Qy 241 TCTGCTACATCCCGGACGACGTGGCACTACATCAGCTTCGGCCTGAGTGATCTCTATGCT 300
Db 314 TCTGCTACATCCCGGACGACGTGGCACTACATCAGCTTCGGCCTGAGTGATCTCTATGCT 373
Qy 301 GACAAACAGAGTCCATGAGTTTACAGGAAACAGATGAGACCTAGTGGTTTTGGCTTTGAGTTG 360
Db 374 GACAAACAGAGTCCATGAGTTTACAGGAAACAGATGAGACCTAGTGGTTTTGGCTTTGAGTTG 433
Qy 361 ACCTTTCTCTGGAAGAGAGAACTGGGAGTCTGCCCCACCAACATGSCCCGCGAGAGTTA 420
Db 434 ACCTTTCTCTGGAAGAGAGAACTGGGAGTCTGCCCCACCAACATGSCCCGCGAGAGTTA 493
Qy 421 ATGCAGGCGCTTGGCACAGTACGTGTTCCAGTCAGAGAACACTCTCTGTCAGTGGGACCAT 480
Db 494 ATGCAGGCGCTTGGCACAGTACGTGTTCCAGTCAGAGAACACTCTCTGTCAGTGGGACCAT 553
Qy 481 GTGCTCTGGCACAGCCCTTTGGATAACAGTGAAGTCAAGAAATTCAGACATGCTGCTGACA 540
Db 554 GTGCTCTGGCACAGCCCTTTGGATAACAGTGAAGTCAAGAAATTCAGACATGCTGCTGACA 613
Qy 541 GAGGACCCACAGATGACGCGCTGTCAGACACCCCTTTGGGGTAGTTACTCTTCCCTCCAGATC 600
Db 614 GAGGACCCACAGATGACGCGCTGTCAGACACCCCTTTGGGGTAGTTACTCTTCCCTCCAGATC 673
Qy 601 GTTGGTGTCTGCACACTGAAGAGCTACCTCAGCCCGCAGAGTGGAAACGGGCGAGCATCCTG 660
Db 674 GTTGGTGTCTGCACACTGAAGAGCTACCTCAGCCCGCAGAGTGGAAACGGGCGAGCATCCTG 733
Qy 661 GAGTGTCTGCGGACAGTGCCTATTGCTGGCGGCCCTTGGCTGATTAATGACATCGGAGG 720
Db 734 GAGTGTCTGCGGACAGTGCCTATTGCTGGCGGCCCTTGGCTGATTAATGACATCGGAGG 793
Qy 721 GGAGAGACCATATTGAGATCGATCCACACCTGCAAGAGAGAGTTGACAAAGGAGCATCGAG 780
Db 794 GGAGAGACCATATTGAGATCGATCCACACCTGCAAGAGAGAGTTGACAAAGGAGCATCGAG 853
Qy 781 ACAGATGCTCCAACTGAGTGAGTGTCAGTGCCCAAGTGTGCTGGGATGACCTGAGCGCG 840
Db 854 ACAGATGCTCCAACTGAGTGAGTGTCAGTGCCCAAGTGTGCTGGGATGACCTGAGCGCG 913
Qy 841 CCCCCGAGGATGACGAGGACAGCCGAGCATCTGCAATCGGCACACAGCCCGCGACTC 900
Db 914 CCCCCGAGGATGACGAGGACAGCCGAGCATCTGCAATCGGCACACAGCCCGCGACTC 973
Qy 901 TCTGCAAAAGACACAGAGCAGATCCGGGAGACCTGAGGAGAGGACTCGAGATCAACAGC 960
Db 974 TCTGCAAAAGACACAGAGCAGATCCGGGAGACCTGAGGAGAGGACTCGAGATCAACAGC 1033
Qy 961 AAACCTGTCTTCCACCAATCAACCCCTCAGCGGAGAAATGGCTCGGCCACAGCCGGGCC 1020
Db 1034 AAACCTGTCTTCCACCAATCAACCCCTCAGCGGAGAAATGGCTCGGCCACAGCCGGGCC 1093
Qy 1021 CCGAGCGCGCAAGACAGCCCTGGAAAGTGACAGCTTCCACGGCCCATCATTTCCCCATGAGCTG 1080
Db 1094 CCGAGCGCGCAAGACAGCCCTGGAAAGTGACAGCTTCCACGGCCCATCATTTCCCCATGAGCTG 1153
Qy 1081 ATTGCGACGGGGAGCTTTGAGAGGTACATCTGAAATTCAACAGGAGTCCGGAGCCCTC 1140
Db 1154 ATTGCGACGGGGAGCTTTGAGAGGTACATCTGAAATTCAACAGGAGTCCGGAGCCCTC 1213
Qy 1141 ATTCTCTCTGCTCTAAGGGGAGGCTCCTGTCATGAGCGGCACCTTTACATATAAAGTATC 1200
Db 1214 ATTCTCTCTGCTCTAAGGGGAGGCTCCTGTCATGAGCGGCACCTTTACATATAAAGTATC 1273

Sun Nov 28 09:38:05 2004

QY	1201	ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGAAGGCGCCTTTGCCACTGAG	1260
Db	1274	ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGAAGGCGCCTTTGCCACTGAG	1333
QY	1261	GAGCATCCTTACGGGCTCATGGACCCCTGGTTACAACTC	1299
Db	1334	GAGCATCCTTACGGGCTCATGGACCCCTGGTTACAACTC	1372

Search completed: November 22, 2004, 06:48:12
Job time : 1760.2 secs